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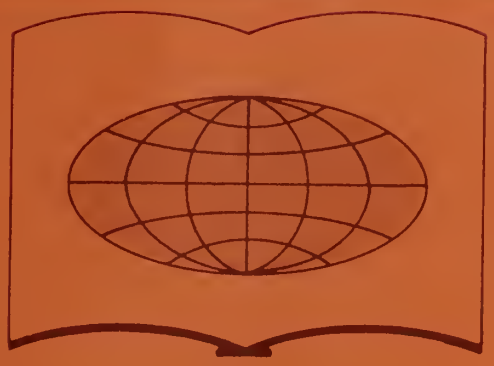

Volume 4 Number 26
December 20, 1968

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PESTICIDES DOCUMENTATION BULLETIN

Volume 4
December 20, 1968
Number 26

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture,* a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

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Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location
Mode of Application
Rates of Application
Soil Types
Carriers
Crops or Weeds tested with phytotoxicity ratings
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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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*This issue does not contain citations under this category.

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SILVERFISH AND FIREBRATS; HOW TO CONTROL THEM.
U S D A Leafl 412:1-4
May 1967 1 AG84L
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P C Kennedy
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P Benedek
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Catalogs, Cerambycidae, Insect taxonomy.

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Bats, Jamesonia, Mites, Parasitic arthropods, Taxonomy.
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D E Hendricks
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1965 421 EN835
Aphididae, Biological control (insects), Coccinellidae, Insect ecology, Predaceous insects, Research, Zoogeography. English summary

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Abstract

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25 Apr 1967 421 SU7
Mites, Oribatidae, Zoogeography.

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C D Kastritsis T Dobzhansky
Amer Midland Natur 78(1):244-248 REF
Jul 1967 410 M58
Chromosomes, Drosophila pavlovskiana, Insect morphology, Insect taxonomy.

Abstract: This new species was encountered in two localities in British Guiana and originally considered as a Guianan race of Drosophila paulistorum Dobzhansky and Pavan. A more detailed study has shown that it must be considered specifically distinct.

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Z von Kaszab
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V G Kovalev
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English and russian abstracts.

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Attractants, Hylemya platura, Insect traps, Tobacco.

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N M Lizaso
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Acarina, Insect taxonomy.

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Curculionidae, Insect taxonomy.

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Insect taxonomy, Mites, Pyemotidae, Scutacaridae. Russian summary

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Cerambycidae, Insect taxonomy. English abstract

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H Paulus
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31 Jul 1968 410.9 SE5
Cerambycidae, Insect taxonomy, Larvae.

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D S Peters
Senckenb Biol 49(3-4):237-248 MAP
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Apidae, Catalogs, Insect taxonomy, Zoogeography. English abstract

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A Pfeffer
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1962 420 C33
Entomology, Insect identification, Insect taxonomy, Taphrorychus.

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Blattidae, Catalogs, Insect taxonomy, Zoogeography.

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V Puthz
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Catalogs, Insect taxonomy, Staphylinidae.

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M Raatikainen A Tinnila
Opusc Entomol 32(3):279-281 MAP
10 Nov 1967 421 OP7
Cecidomyiidae, Insect biology, Insect taxonomy, Zoogeography. English abstract

22908-68
LEAFHOPPERS OF THE GROUP PSAMMOTETTIX STRIATUS L. (HOMOPTERA, CICADELLIDAE)--VECTORS OF VIRUS DISEASES OF CEREALS, THEIR SYSTEMATICS AND DISTRIBUTION. (RUS)
G M Razvyazkina E A Pridantzeva
Zool Zhur 47(5):690-696 REF
May 1968 410 R92
Cicadellidae, Grain, Insect taxonomy, Psammotettix, Psammotettix striatus, Psammotettix volgensis, Reproductive organs, Virus diseases (plants), Zoogeography.
English and russian abstracts.

22909-68
CATALOGUE OF NEW WORLD DERMAPTERA (INSECTA). PART II: LABIOIDEA, CARCINOPHORIDAE.
H Reichart
Sao Paulo Dep Zool Papeis Avulsos 22(5):35-46
10 Sep 1968 410.9 SA63
Catalogs, Dermaptera, Insect taxonomy, Zoogeography.

22910-68
REDESCRIPTION OF MICROTHROMBIDIINAE OF BOLIVIA DESCRIBED BY J. BOSHELL AND J. A. KERR IN 1942 (ACARI, THROMBIDIIDAE). II. (FR)
P Robaux
Paris Mus Nat Hist Natur Bull 39(4):680-694
15 Jan 1968 410.9 P213
Habitats, Mites, Taxonomy, Trombidiidae.

22911-68
CONTRIBUTIONS TO THE KNOWLEDGE OF THE GENUS TYROPHAGUS OUDEMANS. (GE)
K Samsinak
Acta Ent Bohemoslov 59(3):266-280 REF
1962 420 C33
Insect identification, Insect taxonomy, Mites, Tyrophagus.

22912-68
BOTHRIURUS VACHONI, N. SP. OF BRAZIL (SCORPIONIDA, BOTHRIURIDAE. (SP)
P R San Martin
Acta Biol Venezuelica 6(2):38-51
30 Jun 1968 475 AC86
Insect taxonomy, Scorpionida. English abstract

22913-68
252. CONTRIBUTION TO THE MORPHOLOGY AND CLASSIFICATION OF SCOLYTOIDEA. BARK BEETLES FROM TURKEY. (GE)
K E Schedl
Anz Schadlingskunde 41(2):21-24
Feb 1968 421 AN9
Insect morphology, Insect names, Insect taxonomy, Liparthrum laurivorus, Scolytidae.

22914-68
BIOLOGICAL OBSERVATIONS ON SOME PHLEBOTOMUS FROM RANCHO GRANDE (VENEZUELA).I.DESCRIPTION OF A LIMITED AREA OF THE CLOUD FOREST AND THE PHLEBOTOMUS TAXONOMY. (SP)
J V Scorza I Ortiz M Ramirez
Acta Biol Venezuelica 5(11):179-200 MAP REF
08 Aug 1967 475 AC86
Insect taxonomy, Insect vectors, Leishmaniasis, Phlebotomus, Psychodidae, Research, Vegetation. English summary. identification key for male and female sandflies.

22915-68
NOTES ON THE MORPHOLOGY OF A RARE PALEARCTIC OPILIONID (OPILIONIDAE). (GE)
V Silhavy
Acta Ent Bohemoslov 65(5):397-398
1968 420 C33
Insect taxonomy, Palearctic Region, Phalangida. English and Czech abstract

22916-68
A NEW SPECIES OF STIGMAEIDAE, AGISTEMUS MENDOZENSIS SP. N. (ACARINA) AND A KEY TO THE SPECIES OF THAT GENERA. (SP)
N H R De Simons
Rev Invest Agr Ser 5, Patol Veg 4(4):55-67
1967 464.8 R322
Insect taxonomy, Stigmaeidae. English abstract

22917-68
MORPHOLOGY AND SYSTEMATIC POSITION OF THE POPPY-HEAD GALL MIDGE CLINODIPLOSIS PAPAVERIS (KJELL.) (DIPTERA, ITONIDIDAE). (GE)
M Skuhrava W Nijveldt
Acta Ent Bohemoslov 59(3):214-220
1962 420 C33
Clinodiplosis papaveris, Entomology, Insect identification, Insect morphology, Insect taxonomy.

22918-68
PHYTOSEIIDAE (ACARINA: MESOSTIGMATA) IN THE NEW JERSEY APPLE ORCHARD ENVIRONMENT WITH DESCRIPTIONS OF SPERMATHECAE AND THREE NEW SPECIES.
H B Specht
Can Entomol 100(7):673-683 REF
Jul 1968 421 C16
Acarina, Apples, Insect biology, Morphology, Phytoseiidae, Predaceous mites, Reproductive organs, Taxonomy.
Abstract

22919-68
PARASARCOPHAGA (CURRANEA) TIBIALIS (MACQUART, 1850) A NEW SPECIES FOR THE CZECHOSLOVAK FAUNA (DIPTERA).
M Stanek
Acta Ent Bohemoslov 65(5):395-396
1968 420 C33
Insect taxonomy, Sarcophagidae, Zoogeography.

22920-68
TWO NEW SPECIES OF PALAEARCTIC TORYMIDAE AND CLEONYMIDAE. (FR
J R Steffan
Entomophaga 9(1):101-106
1964 421 EN835
Agrilocida ferrieri, Insect taxonomy, Mellitotorymus gregalis, Pteromalidae, Torymidae, Zoogeography. English summary.

22921-68
A KEY TO THE GENERA OF ANTHOMYIINAE KNOWN TO OCCUR IN AMERICA NORTH OF MEXICO, WITH NOTES ON THE GENUS GANPERDEA ALDRICH (DIPTERA, ANTHOMYIIDAE).
G C Steyskal
Biol Soc Wash Proc 80:1-8
24 Mar 1967 500 W272
Anthomyiidae, Catalogs, Insect taxonomy.

22922-68
PTILIUM EXARATUM (ALLIBERT). (COL. PTILIIDAE). DESIGNATION OF LECTOTYPE WITH NOTES ON ALLIBERT'S COLLECTION.
E Sundt
Opusc Entomol 33(3):362-364
15 Nov 1968 421 OP7
Coleoptera, Insect taxonomy.

22923-68
ON SOME COLEOPTERA BUPRESTIDAE OF SOUTHERN AND INSULAR ITALY. (VIII. CONTRIBUTION TO THE KNOWLEDGE OF COLEOPTERA BUPRESTIDAE OF ITALY). (IT)
F Tassi
Accad Gioenia Sci Nat Catania Bull Sedute (SER 4)8(8):610-625 MAP REF
1966 507 C28
Bibliography, Buprestidae, Coleoptera, Insect biology, Insect taxonomy, Zoogeography. 14 species are discussed. english, French, German summary.

22924-68
A NEW NAME IN EUROPEAN TIPULIDAE AND TWO ADDITIONS TO THE SWEDISH LIST.
B Tjeder
Opusc Entomol 33(3):280
15 Nov 1968 421 OP7
Insect taxonomy, Tipulidae.

22925-68
A NEW NAME IN EUROPEAN TIPULIDAE (DIPTERA).
B Tjeder
Opusc Entomol 32(3):228
10 Nov 1967 421 OP7
Insect taxonomy, Tipulidae.

22926-68
THE IDENTITY OF RHABDOMASTIX PARVA EDW., 1938 (DIPTERA: TIPULIDAE).
B Tjeder
Opusc Entomol 32(3):225-227
10 Nov 1967 421 OP7
Insect taxonomy, Tipulidae, Zoogeography.

22927-68
TWO NEW NAMES IN EUROPEAN CHRYSOPIDAE (NEUROPTERA).
B Tjeder
Opusc Entomol 32(3):229
10 Nov 1967 421 OP7
Chrysopidae, Insect taxonomy.

22928-68
MYCETOPHILIDAE AND SCIARIDAE FROM SPITSBERGEN, COLLECTED BY DR. J. KAISILA IN 1965.
R Tuomikoski
Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(1):43-51 REF
1967 421 SU7
Diptera, Myeetophilidae, Sciaridae, Zoogeography.
Abstraet

22929-68
THORACISPA DREGEI CHAPUIS. 227. CONTRIBUTION TO THE KNOWLEDGE OF THE HISPINAE. (GE)
E Uhmann
Opusc Entomol 32(1-2):155-158
30 Mar 1967 421 OP7
Hispinae, Insect eeology, Insect taxonomy.

22930-68
COLLEMBOLES OF SPITSBERGEN.
A Valpas
Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(1):28-40 MAPS, REF
1967 421 SU7
Collembola, Zoogeography.

22931-68
A NEW GENUS AND SPECIES OF MEALYBUG FROM THE PHILIPPINE ISLANDS (HOMOPTERA: PSEUDOCOCCIDAE).
D J Williams
Biol Soc Wash Proc 80:27-30
24 Mar 1967 500 W272
Insect taxonomy, Pseudococeidae, Zoogeography.

22932-68
SEASONAL DISTRIBUTION OF THE LESSER PEACH TREE BORER IN SOUTHERN INDIANA.
T T Y Wong M L Cleveland
J Econ Entomol 61(6):1674-1677
16 Dec 1968 421 J822
Insect traps, Peaches, Population, Synanthedon pietipes, Temperature.

PHYSIOLOGY AND BIOCHEMISTRY

22933-68
BIONOMICS OF PSOROPHORA VARIPES, A MODEL LABORATORY MOSQUITO.
A Aboualy W R Horsfall
J Econ Entomol 61(6):1657-1660
16 Dec 1968 421 J822
Experimental insects, Insect behavior, Insect biology, Insect ecology, Insect rearing, Psorophora varipes.

22934-68
BEHAVIOR OF IRRADIATED BOLL WEEVILS. II. REPRODUCTION AND MORTALITY IN CAGES WITH UNTREATED BOLL WEEVILS.
J Econ Entomol 61(6):1680-1684
16 Dec 1968 421 J822
Anthonomus grandis, Cobalt isotopes, Gamma rays, Insect behavior, Mortality, Reproduetion, Sex attraetants, Sterility.

22935-68
STUDIES ON THE EFFECT OF BACILLUS THURINGIENSIS BERL. ON THE SPINY BOLLWORM, EARIAS INSULANA BOISD. AND OTHER LEPIDOPTEROUS INSECTS.
A F Al-Azawi
Entomophaga 9(2):137-145
1964 421 EN835
Bacillus thuringiensis, Biologieal eontrol (insects), Earias insulana, Insect physiology, Lepidoptera, Researeh. Freneh summary.

22936-68
COMPARISON OF DIFFERENT METHODS OF COUNTING ARTHROPOD POPULATIONS LIVING OFF APPLE TREES. (FR)
M Baggiolini Th Wildbolz
Entomophaga 10(3):247-264
1965 421 EN835
Apples, Arthropoda, Diptera, Hymenoptera, Insect traps, Lepidoptera, Population, Trees. English summary

22937-68
METHOD OF VISUAL CONTROL OF THE INFESTATIONS OF ARTHROPOD PARASITES OF APPLE TREES. (FR)
M Baggiolini
Entomophaga 10(3):221-229
1965 421 EN835
Apples, Arthropoda, Insect eontrol, Parasitism. English summary.

22938-68
BEHAVIOR OF IRRADIATED BOLL WEEVILS. I. FEEDING, ATTRACTION, MATING, AND MORTALITY.
A C Bartlett P A Hooker D D Hardee
J Econ Entomol 61(6):1677-1680 REF
16 Dec 1968 421 J822
Anthonomus grandis, Cobalt isotopes, Gamma rays, Insect behavior, Mortality, Sex attraetants, Sex behavior, Sterility.

22939-68
SLOW AND SPIKE POTENTIALS RECORDED FROM RETINULA CELLS OF THE HONEYBEE DRONE IN RESPONSE TO LIGHT.
F Baumann
J Gen Physiol 52(6):855-875 REF
Dec 1968 447.8 J822
Apis mellifera, Bio-eleetrie potential, Insect physiology, Photosensitization, Retina.

22940-68
OVIPOSITION AND DEVELOPMENT OF THE FACE FLY IN FECES OF SIX SPECIES OF ANIMALS.
D E Bay C W Pitts G Ward
J Econ Entomol 61(6):1733-1735
16 Dec 1968 421 J822
Biologieal assay, Deer, Feees, Inseet behavior, Inseet physiology, Inseet rearing, Livestock, Musca autumnalis, Ovulation, Reproduetion.

22941-68
THE AVAILABLE DATA ON THE EFFECT OF SPRAY CHEMICALS ON USEFUL ARTHROPODS IN ORCHARDS.
A F H Besemer
Entomophaga 9(3):263-269
1964 421 EN835
Arthropoda, Beneficial inseets, Chemieal eontrol (inseets), Fungieides, Pestieides, Spraying. German summary.

22942-68
INVESTIGATIONS ON PARASITES OF TORTRIX VIRIDANA L. I. SPECTRUM OF SPECIES, FREQUENCY AND DOMINANCE. (AN EVALUATION OF THE LITERATURE). (GE)
H Bogenschuetz
Entomophaga 9(3):281-292 REF
421 EN835
Inseet biology, Literature, Parasitism, Research, Tortrix viridana. English summary.

22943-68
INVESTIGATIONS ON PARASITES OF TORTRIX VIRIDANA L. II. DETERMINATION TABLES OF LARVAE AND PUPAE OF SOME TORTRICIDAE FEEDING ON OAKS AS AN AID IN THE REARING OF PARASITES. III. ON THE PHENOLOGY OF SOME IMPORTANT SPECIES OF PARASITES. (GE)
H Bogensehuetz
Entomophaga 10(1):67-81 REF
1965 421 EN835
Feeding, Larvae, Parasitism, Pupae, Quereus, Research, Tortrix viridana. English summary for eaeh part

22944-68
THE TRICHOGRAMMID PARASITES OF PROCERAS SACCHARIPHAGUS BOJ., A SUGARCANE BORER OF MADAGASCAR. I. ECOLOGY OF THE AUTOCHTONOUS PARASITE TRICHOGRAMMA AUSTRALICUM GIR. THE EFFECTS OF STRENGTHENING THE PARASITE POPULATION. (FR
J Breniere
Entomophaga 10(1):83-96 REF MAP
1965 421 EN835
Eeology, Parasitism, Population, Proceras saeehariphagus, Sugareane, Trichogramma australieum, Trichogrammatidae. English summary

22945-68
EFFECT OF STARVATION ON MOLTING AND GROWTH IN AEDES AEGYPTI AND A. VEXANS.
R A Brust
J Econ Entomol 61(6):1570-1572 REF
12 Dec 1968 421 J822
Aedes aegypti, Aedes vexans, Inseet physiology, Larvae, Molting (inseets), Starvation.

22946-68
LABORATORY METHODS FOR EVALUATION OF TOXICANTS FOR THE BED BUG AND THE ORIENTAL RAT FLEA.
G S Burden B J Smittle
J Econ Entomol 61(6):1565-1567
12 Dec 1968 421 J822
Chemieal eontrol (inseets), Cimex leetularius, Inseetieides, Methodology, Xenopsylla eheopis.

22947-68
ABOUT THE CHARACTERISATION OF PRODUCTS BASED ON BACILLUS THURINGIENSIS BERLINER WITH REGARD TO THE BIOLOGICAL TITRATION OF THE SOLUBLE THERMOSTABLE TOXIN. (FR)
A Burgerjon
Entomophaga 10(1):55-65 REF
1965 421 EN835
Baeillus thuringiensis, Biochemistry, Biologieal eontrol (inseets), Inseet diseases, Temperature, Toxins, Volumetrie analysis. English summary.

22948-68
THE BIOLOGICAL TITRATION OF CRYSTALS OF BACILLUS THURINGIENSIS BERLINER BY CONSUMMATION REDUCTION AT THE LA MINIERE LABORATORY. (FR)
A Burgerjon
Entomophaga 10(1):21-25
1965 421 EN835
Baeillus thuringiensis, Biochemistry, Inseet eontrol, Volumetrie analysis. English summary

22949-68
SOME NORTH AMERICAN PARASITES OF ACLERDA (HYMENOPTERA, ENCYRTIDAE).
B D Burks
Entomophaga 9(1):17-20
1964 421 EN835
Aelerda, Eneyrtidae, Insect physiology, Inseet taxonomy, Parasitie inseets, Zoogeography. Freneh summary.

22950-68
BIBLIOGRAPHY ON THE SYSTEMATICS OF ENTOMOPHAGOUS INSECTS. VII. (FR)
Entomophaga 9(4):391-399

1964 421 EN835
Acarina, Bibliography, Coleoptera, Diptera, Hymenoptera, Insect behavior, Neuroptera, Parasitism, Predaceous insects.

22951-68
SOME FACTORS INFLUENCING THE OCCURRENCE AND SITE OF OVIPOSITION BY APHIDOPHAGOUS SYRPHIDAE (DIPTERA).
A E F Chandler
Ann Appl Biol 61(3):435-446 REF
Jun 1968 442.8 AN72
Aphididae, Diptera, Insect behavior, Insect eggs, Ovulation, Syrphidae.

22952-68
THE PATTERN OF MOVEMENTS OF ADULTS OF THE NORTHERN CORN ROOTWORM INSIDE AND OUTSIDE OF CORN FIELDS.
J E Cinereski H C Chiang
J Econ Entomol 61(6):1531-1536
16 Dec 1968 421 J822
Corn, Diabrotica longicornis, Gastrointestinal system, Insect eggs, Insect migration, Ovaries, Ovulation.

22953-68
SYMPOSIUM ON THE TITRATION OF BACILLUS THURINGIENSIS BERLINER PREPARATIONS. (PARIS, 5-7 MARCH 1964).
Entomophaga 10(1):3-20 REF
1965 421 EN835
Bacillus thuringiensis, Insect control, Methodology, Symposia, Volumetric analysis.

22954-68
INTERNATIONAL SYMPOSIUM ON THE IDENTIFICATION AND ASSAY OF VIRUSES AND BACILLUS THURINGIENSIS USED FOR INSECT CONTROL. (LONDON 13TH JULY 1964).
Entomophaga 10(1):29-40 REF
1965 421 EN835
Bacillus thuringiensis, Biological assay, Insect control, Insect diseases, Symposia, Viruses.

22955-68
STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BEETLE. II. RESPONSE TO ATTRACTIVE HOST MATERIAL.
J E Coster R I Gara
Boyce Thompson Inst Contrib 24(4,JUL-SEP):69-75 REF
Sep 1968 451 B69
Chemoreceptors, Demography, Dendroctonus frontalis, Insect behavior, Insect flight, Smell.

22956-68
THE HABROLEPIS FOERSTER, 1856 (HYM., CHALCIDOIDEA, ENCYRTIDAE). (FR)
V Delucchi
Entomophaga 10(3):295-304 REF
1965 421 EN835
Encyrtidae, Habrolepis, Insect taxonomy. English summary

22957-68
ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 15, NO. 48-A. DIPTERA: TERMITOXENIIDAE. (FR)
J R Denis
Dijon Univ Lab Zool Trav (77):1-5
27 Mar 1968 410.9 D56
Diptera, Insect morphology, Larvae.

22958-68
ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 14, NO. 47. DIPTERA: HEAD, LARVAE. (FR)
J R Denis
Dijon Univ Lab Zool Trav (76):37-54
05 Jan 1968 410.9 D56
Diptera, Head, Insect morphology, Larvae, Muscles.

22959-68
ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF TIIE ARTHROPODS). PART 14, NO. 46. TRICHOPTERA: HEAD, IMAGOS. (FR)
J R Denis
Dijon Univ Lab Zool Trav (76):11-36
05 Jan 1968 410.9 D56
Head, Insect morphology, Mouth parts, Muscles, Trichoptera.

22960-68
ADDITIONS AND CORRECTIONS TO VOLUME 8 OF TIIE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTIIROPODS). PART 14, NO. 45. DERMAPTERA: GENITALIA OF ANISOLABIS. (FR)
J R Denis
Dijon Univ Lab Zool Trav (76):1-10
05 Jan 1968 410.9 D56
Dermaptera, Insect morphology, Reproductive organs.

22961-68
ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 16, NO. 50. COLEOPTERA: ABDOMEN AND GENITALIA OF THE MALE. (FR)
J R Denis
Dijon Univ Lab Zool Trav (78):1-60
14 May 1968 410.9 D56
Abdomen, Coleoptera, Insect morphology, Muscles, Reproductive organs.

22962-68
ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 17, NO. 51. ORTHOPTERA: HEAD. (FR)
J R Denis
Dijon Univ Lab Zool Trav (79):1-43
17 Jun 1968 410.9 D56
Head, Insect morphology, Muscles, Orthoptera.

22963-68
ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 15, NO. 49. HETEROPTERA: HEAD. (FR)
J R Denis
Dijon Univ Lab Zool Trav (77):13-40
27 Mar 1968 410.9 D56
Head, Heteroptera, Insect morphology.

22964-68
ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 15, NO. 48-D. LEPIDOPTERA: 1) NERVOUS SYSTEM IN GALLERIA. 2) MORPHOLOGY OF THE CATERPILLAR LITHOCOLLETIS. (FR)
J R Denis
Dijon Univ Lab Zool Trav (77):8-12
27 Mar 1968 410.9 D56
Galleria, Insect morphology, Larvae, Lepidoptera, Nervous system.

22965-68
ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 15, NO. 48-C. ODONATA: ABDOMEN OF AESCHNA. (FR)
J R Denis
Dijon Univ Lab Zool Trav (77):7
27 Mar 1968 410.9 D56
Abdomen, Insect morphology, Odonata.

22966-68
SOME INFORMATION ON TRIATOMIDS OF PERNAMIFUCO. (POR)
J E Dobbin A E Cruz
Rev Brasil Malar Doencas Trop 18(2):261-267 REF
Apr 1966 448.8 R3283
Benzene hexachloride, Insect control, Reduviidae, Trypanosomiasis. English and portuguese summaries

22967-68
FIELD EXPERIMENTS WITH ATTRACTANTS FOR THE FACE FLY.
C K Dorsey
J Econ Entomol 61(6):1695-1696 REF
16 Dec 1968 421 J822
Attractants, Beef cattle, Cattle, Musca autumnalis.

22968-68
EPR STUDY OF LIVE AND DEAD DROSOPHILA ADULTS UNDER AEROBIC CONDITIONS. ABSTRACTS, 1968 PROCEEDINGS, APRIL 26, 27, 1968. LINCOLN, NEBRASKA.
P S Duke
Nebr Acad Sci Proc 3-4
26 Apr 1968 500 N27P
Aging, Drosophila azteca, Drosophila melanogaster, Drosophilidae, Insect physiology, Spectroscopy.
Abstract

22969-68
A GRANULOSIS OF EUPSILIA TRANSVERSA HUFN. (LEPIDOPTERA, NOCTUIDAE) IN WEST NORWAY.
T Edland
Entomophaga 10(4):331-333
1965 421 EN835
Eupsilia transversa, Granuloses, Lepidoptera, Noctuidae. French summary.

22970-68
DEVELOPMENT AND STRUCTURE OF THE COMPOUND EYE IN THE COTTON LEAFWORM, PRODENIA LITURA F., AND THE PINK BOLL-WORM, PECTINOPHORA GOSSYPIELLA S. (LEPIDOPTERA).
B M El-Sawaf A H Kaschef A A Soliman
Zool Beitr 14(3):447-470 REF
11 Jan 1968 410 Z753
Eyes, Insect histology, Insect morphology, Insect physiology, Pectinophora gossypiella, Prodenia. German abstract

22971-68
THE INTERRELATIONS BETWEEN APPLE APHIDS AND THEIR PARASITES AND HYPERPARASITES.
H H Evenhuis
Entomophaga 9(3):227-231
1964 421 EN835
Aphididae, Apples, Hyperparasitism, Insect behavior, Insect physiology, Parasitism. German summary.

22972-68
A CONTRIBUTION TO THE BIOLOGY OF EURYTOMA CURCULIONUM MAYR (HYM., EURYTOMIDAE).
J P Fisher
Entomophaga 10(4):317-318
1965 421 EN835
Apion, Eurytoma curculionum, Hymenoptera, Insect biology, Insect eggs, Parasitism. German summary

22973-68
CHEMOSTERILIZATION OF THE TOBACCO BUDWORM: A SURVEY OF 16 COMPOUNDS FED TO ADULT MOTHS.
H M Flint W Klassen J F Norland E L Kressin
J Econ Entomol 61(6):1726-1729 REF
16 Dec 1968 421 J822
Chemical control (insects), Chemosterilants, Heliothis virescens, Sterility.

22974-68
BIBLIOGRAPHY ON BIOLOGICAL CONTROL. IX. (FR)
J M Franz W Laux
Entomophaga 9(4):311-389 REF
1964 421 EN835
Bibliography, Biological control (insects), Insect pests, Research. English and German translations of introduction.

22975-68
DAILY SUSCEPTIBILITY OF HOUSE FLIES TO MALATHION.
L Frudden S G Wellso
J Econ Entomol 61(6):1692-1694
16 Dec 1968 421 J822
Lighting, Malathion, Mortality, Musca domestica, Photoperiodism.

22976-68
DEVELOPMENT OF AN AUTOSTERILIZATION TECHNIQUE FOR THE HOUSE FLY.
R L Fye G C LaBrecque P B Morgan M C Bowman
J Econ Entomol 61(6):1578-1581
12 Dec 1968 421 J822
Chemosterilants, Insect migration, Methodology, Musca domestica, Styrene polymers, Tepa.

22977-68
GAMASID MITES OF CHIROPTERA (PARASITIFORMES, GAMASDIDEA) IN AZERBAIJAN. (RUS)
A T Gadjiev T A Dubovchenko
Zool Zhur 46(11):1716-1719
Nov 1967 410 R92
Birds, Gamasides, Insect taxonomy, Mites, Parasitism, Rodents, Surveys.

Abstract

22978-68
A BIOLOGICAL ASSAY TECHNIQUE FOR THE ASSESSMENT AND COMPARISON OF SYSTEMIC INSECTICIDE RESIDUES.
D J Galley
Ann Appl Biol 61(3):457-466 REF
Jun 1968 442.8 AN72
Aphididae, Biological assay, Insect physiology, Insecticides, Mortality, Pesticide residues.

22979-68
OBSERVATIONS ON THE BIOLOGY OF PROSPALTELLA PERNICIOSI TOW. IN THE PO VALLEY. (IT)
P I Gambaro
Entomophaga 10(4):373-376
1965 421 EN835
Aspidiotus perniciosus, Insect biology, Parasitic insects, Prospaltella perniciosi, Reproduction. English summary.

22980-68
PARTICLE COUNTS OF WOUND TUMOUR VIRUS DURING ITS PEAK CONCENTRATION IN LEAFHOPPERS.
R Gamez L M Black
Virology 34(3):444-451 REF
Mar 1968 448.8 V81
Cicadellidae, Injuries, Insect biology, Neoplasms, Virus diseases (animals).

22981-68
A HISTOLOGICAL STUDY OF NEUROSECRETION IN ANTS (FORMICOIDEA).
R B Gawande
Acta Ent Bohemoslov 65(5):349-363 REF
1968 420 C33
Corpora cardiaca, Formicidae, Hormones, Insect histology, Nervous system.

22982-68
TITER DETERMINATIONS OF PREPARATIONS OF BACILLUS THURINGIENSIS BERLINER.
H P M Geesteranus
Entomophaga 10(1):27
1965 421 EN835
Bacillus thuringiensis, Biological control (insects), Insect diseases, Larvae, Phosphorus, Pieris brassicae, Radioactive tracers, Volumetric analysis. Summary only given

22983-68
CRYSTALLINE REGIONS ON THE AXON MEMBRANE SURFACE OF INSECT PHOTORECEPTOR CELLS.
G Gemne
Life Sci 7(24,PT 2):1239-1241
15 Dec 1968 442.8 L62
Electron microscopy, Histology, Insect physiology, Manduca sexta, Nerves, Retina.

22984-68
DIELDRIN-RESISTANT CABBAGE ROOT FLY IN ENGLAND.
K G Gostick P M Baker
Ann Appl Biol 61(3):447-456
Jun 1968 442.8 AN72
Cabbage, Dieldrin, Hylemya brassicae, Insecticide resistant insects.

22985-68
EVIDENCE THAT ORMOCERUS BORGES WALKER IS THE MALE OF EPICOPTERUS CHOREIFORMIS WESTWOOD (HYM., CHALCIDOIDEA, PTEROMALIDAE).
M W R de V Graham
Entomophaga 9(1):45-51
1964 421 EN835
Chalcidoidea, Insect biology, Nomenclature, Pteromalidae. French summary.

22986-68
THE EFFICACY OF A MIXTURE OF BACILLUS THURINGIENSIS BERL. AND OF DDT AGAINST AGROTIS IPSILON ROTT. (NOCTUIDAE). (FR)
A Haenggi
Entomophaga 10(4):343-348
1965 421 EN835
Agrotis ipsilon, Bacillus thuringiensis, Biological control (insects), Chemical control (insects), DDT, Insect control, Insecticides, Larvae. German summary.

22987-68
NOTES ON THE MATING HABITS OF THE HORN FLY.
R L Harris E D Frazar C D Schmidt
J Econ Entomol 61(6):1639-1640
16 Dec 1968 421 J822
Cattle, Haematobia irritans, Insect behavior, Sex behavior.

22988-68
THE BIOLOGY OF CHORISTONEURA HOUSTONANA (LEPIDOPTERA: TORTRICIDAE), A PEST OF JUNIPERUS SPECIES.
E A Heinrichs H E Thompson
Can Entomol 100(7):750-763 REF
Jul 1968 421 C16
Choristoneura houstonana, Insect biology, Insect eggs, Insect morphology, Insect pests, Juniperus, Larvae, Pupae.

Abstract

22989-68
REPRODUCTION, LONGEVITY, AND FLIGHT OF CABBAGE LOOPER MOTHS TREATED TOPICALLY WITH TEPA.
T J Henneberry A N Kishaba M Z Iobal B B Klingler
J Econ Entomol 61(6):1536-1539
16 Dec 1968 421 J822
Chemosterilants, Insect flight, Insect physiology, Longevity, Reproduction, Tepa, Trichoplusia ni.

22990-68
TWO GENERA OF THE FAMILY ENCYRTIDAE (HYM., CHALCIDOIDEA), NEW FOR EUROPE. (GE)
A Hoffer
Acta Ent Bohemoslov 65(5):379-385
1968 420 C33
Hymenoptera, Insect taxonomy, Zoogeography. English and Czech abstracts

22991-68
THE BIOLOGY OF MICROPHTHALMA EUROPAEA EGG., A TACHINID PARASITE OF THE LARVAE OF SCARABAEIDAE. (FR)
B Hurpin M Fresneau
Entomophaga 9(2):187-205 REF
1964 421 EN835
Insect biology, Insect eggs, Larvae, Microphthalma europaea, Natural control (insects), Parasitic insects, Scarabaeidae, Tachinidae, Temperature. German summary.

22992-68
PRODUCTION, IDENTIFICATION, AND STANDARDIZATION OF INSECT VIRAL PATHOGENS.
C M Ignoffo
Entomophaga 10(1):29-40 REF
1965 421 EN835
Classification, Insect control, Insect diseases, Taxonomy, Viruses. French summary

22993-68
USING BLACK LIGHT TO FIND JACK PINE BUDWORM EGG MASSES.
D T Jennings
U S Forest Serv Res Note N C 56:1-3
1968 ASD11.A33
Choristoneura pinus, Equipment, Fluorescein, Fluorescent lamps, Infrared rays, Research.

22994-68
THE USE OF SOME INEXPENSIVE YEASTS IN THE LARVAL DIET OF THE MEDITERRANEAN FRUIT-FLY. (CERATITIS CAPITATA). (SP)
K P Katiyar
Turriolba 18(3,JUL-SEP):264-267
1968 8 T86
Ceratitis capitata, Diet, Economics, Fertility, Food yeasts, Insect physiology, Insect rearing, Larvae, Research. English summary.

22995-68
INSECTICIDES FOR CONTROL OF INSECTS ATTACKING ALFALFA SEED IN EASTERN NEBRASKA.
S D Kindler G R Manglitz J M Schalk
J Econ Entomol 61(6):1636-1639
16 Dec 1968 421 J822
Alfalfa, Bruchophagus roddi, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Insecticides, Loxostege similalis, Organophosphorus compounds, Seeds.

22996-68
AN ATTEMPT AT THE LIQUIDATION OF A PRIMARY CENTER OF MASS APPEARANCE OF INJURIOUS INSECT.
W Koehler J Burzynski
Entomophaga 10(4):367-372 REF
1965 421 EN835
Acantholyda nemoralis, Breeding, Insect control, Insect ecology, Insect pests, Integrated control (insects), Parasitism. French summary.

22997-68
EFFECTS OF AN OCTOSPOREOSIS ON THE LOCOMOTOR ACTIVITY OF ADULT PHORMIA REGINA (MEIGEN). (DIPT. CALLIPHORIDAE).
J P Kramer
Entomophaga 10(4):339-342
1965 421 EN835
Diptera, Insect behavior, Insect diseases, Insect physiology, Locomotion, Octosporea muscaedomesticae, Phormia regina. German summary

22998-68
BIOASSAY AND STANDARDIZATION OF BACILLUS THURINGIENSIS PREPARATIONS: SPORE-ENDOTOXINE-COMPLEX.
A Krieg
Entomophogo 10(1):49-54 REF
1965 421 EN835
Bacillus thuringiensis, Biological assay, Biological control (insects), Endotoxins, Insect diseases, Spores. German summary

22999-68
STUDIES ON THE SEX RATIO AND ADULT EMERGENCE OF APANTELES TACHARDIAE CAM. IN THE LABORATORY CULTURE.
S M Kulkarni
Entomophogo 10(4):319-321

1965 421 EN835
Apanteles tachardiae, Insect rearing, Sex. French summary

23000-68
DEFENSE REACTIONS OF MALACOSOMA NEUSTRIA AGAINST TACHINID LARVAE WITH SIMULTANEOUS OCCURRENCE OF A NUCLEAR POLYHEDROSIS. (I) (2). (GE)
W Laux
Entomophaga 9(3):293-298
1964 421 EN835
Cell nucleus, Insect behavior, Larvae, Malacosoma neustria, Mericia ampelus, Mortality, Polyhedroses, Tachinidae. English summary.

23001-68
AN ACRIDOLOGICAL EXCURSION IN EL JUNCAL VALLEY (RIO NEGRO). (SP)
J Liebermann
Soc Cien Argentine An 184(1-2,JUL-AUG):3-11
Aug 1967 516 SO1
Grasshoppers, Insect migration, Insect outbreaks. English abstract

23002-68
BRACONIDAE AS PARASITES OF STAPHYLINIDAE. (GE)
E Lipkow
Entomophaga 10(4):377-381
1965 421 EN835
Braconidae, Centistes, Insect behavior, Parasitic insects, Staphylinidae, Tachyporus. English summary.

23003-68
THE STRUCTURE OF THE RECEPTACULUM SEMINIS OF EYPREPOCNEMIS PLORANS (CHARP.) (ORTHOPTERA, CATANTOPIDAE). (IT)
V de Luca
Accad Gioenia Sci Nat Catania Bull Sedute (SER 4)8(6/7):533-550 REF
1965 507 C28
Cells, Cuticle, Epithelium, Eyprepocnemis plorans, Insect anatomy, Insect morphology, Spermatheca. English, German, and French summary.

23004-68
POLLEN-FORAGING BEHAVIOR OF BOMBUS IN RELATION TO POLLINATION OF NOTOTRIBIC FLOWERS.
L W Macior
Amer J Bot 54(3):359-364 REF
Mar 1967 450 AM36
Antirrhinum, Bombus, Insect behavior, Linaria, Pollination.

23005-68
EFFECT OF THE TOXIN OF THE PARASPORAL INCLUSION OF BACILLUS THURINGIENSIS BERLINER ON THE MESENTERY OF PIERIS BRASSICAE L. (FR)
D Martouret J Lhoste A Roche
Entomophaga 10(4):349-365 REF
1965 421 EN835
Bacillus thuringiensis, Biological control (insects), Citric acid, Digestion, Insect diseases, Pieris brassicae, Toxins. English summary.

23006-68
A REDESCRIPTION OF THREE SPECIES OF PROCTOTRUPOIDEA (HYMENOPTERA) FROM JURINE'S COLLECTION.
L Masner
Entomophaga 9(1):81-89 REF
1964 421 EN835
Hymenoptera, Insect biology, Insect identification, Insect taxonomy, Proctotrupoidea. French summary. many species are described.

23007-68
STUDY OF THE EFFICACY OF PROSPALTELLA PERNICIOSI TOW. IN SWITZERLAND AS A PARASITE OF THE SAN JOSE SCALE. (FR)
G Mathys E Guignard
Entomophaga 10(3):193-220 REF MAP
1965 421 EN835
Aspidiotus perniciosus, Biological control (insects), Insect cultures, Parasitism, Prospaltella perniciosi, Research. English summary.

23008-68
COMPARATIVE STUDY OF THE METHODS OF COUNTING PANONYCHUS ULMI KOCH POPULATIONS. (FR)
G Mathys M van de Vrie
Entomophaga 10(3):265-271
1965 421 EN835
Fruit, Insect eggs, Mites, Ovipositors, Panonychus ulmi, Population, Research. English summary

23009-68
MOLECULAR STRUCTURE OF NONIONIC SURFACTANTS IN RELATION TO LABORATORY INSECTICIDAL ACTIVITY.
K E Maxwell W D Piper
J Econ Entomol 61(6):1633-1636 REF
16 Dec 1968 421 J822
Chemical control (insects), Chemistry, Culex pipiens quinquefasciatus, Insecticides, Molecules, Pupae, Surface-active agents.

23010-68
VISION OF THE LARGE CASPIAN TERMITE ANACANTHOTERMES AHNGERIANUS JACOBS. (INSECTA, ISOPTERA) ACCORDING TO THE DATA OF ELECTROPHYSIOLOGICAL EXPERIMENTS. (RUS)
G A Mazohkin-Porshnyakov T M Vishnevskaya K V Golubtzov
Zool Zhur 46(11):1668-1674 REF
Nov 1967 410 R92
Electrophysiology, Insect physiology, Termites, Vision. English summary
Abstract

23011-68
THE WHITE-FIR NEEDLE MINER, EPINOTIA MERITANA, IN UTAH-.
M D McGregor R I Washburn
J Econ Entomol 61(6):1506-1507
16 Dec 1968 421 J822
Abies concolor, Epinotia meritana, Hymenoptera, Insect biology, Insect eggs, Insect rearing, Natural control (insects), Parasitic insects.

23012-68
CHEMOSTERILANT EFFECTS OF TEPA, APHOLATE, AND METEPA ON THE ALFALFA WEEVIL.
J R McLaughlin R G Simpson
J Econ Entomol 61(6):1730-1733 REF
16 Dec 1968 421 J822
Apholate, Chemosterilants, Hypera postica, Insect eggs, Insect physiology, Metepa, Reproduction, Sterility, Tepa.

23013-68
THE OPTICS OF INSECT COMPOUND EYES.
W H Miller G D Bernard J L Allen
Science 162(3855):760-767 REF
15 Nov 1968 470 SCI2
Eyes, Insect physiology, Light.

23014-68
IMMUNOREACTIONS OF INSECTS. I. LYSOZYME AS A FUNDAMENTAL ANTIBACTERIAL FACTOR IN HUMORAL PROTECTIVE MECHANISMS OF INSECTS. (GE)
W Mohrig B Messner
Biol Zentralbl 87(4,JUL-AUG):439-470 REF
Aug 1968 442.8 B523
Bacteriolysis, Body fluids, Galleria mellonella, Immunity, Immunochemistry, Insect protective devices, Muramidase. English and Russian abstracts

23015-68
AN ARTIFICIAL MEDIUM FOR REARING PRODENIA LITURA F. AND TWO OTHER NOCTUIDS.
I Moore A Navon
Entomophaga 9(2):181-185
1964 421 EN835
Agrotis ipsilon, Insect physiology, Insect rearing, Noctuidae, Prodenia litura, Pseudaletia unipuncta. French summary.

23016-68
OBSERVATIONS ON THE IMMATURE STAGES OF GIMNOMERA CEREA AND G. INCISURATA (DIPTERA: ANTHOMYIIDAE, SCATOPHAGINAE).
S E Neff
Can Entomol 100(1):74-83 REF
Jan 1968 421 C16
Anthomyiidae, Gimnomera cerea, Gimnomera incisurata, Insect behavior, Larvae, Metamorphosis, Pedicularis canadensis, Penstemon, Predaccous insects.

23017-68
A CONTRIBUTION TO THE TECHNIQUE OF THE MASS REPRODUCTION OF THE ANGOUMOIS GRAIN MOTH SITOTROGA CEREALELLA (OLIV.). (GE
F Neubecker
Anz Schadlingskunde 49(7):104-110 REF
Jul 1967 421 AN9
Breeding, Experimental insects, Insect eggs, Methodology, Reproduction, Research, Sitotroga cerealella. English summary.

23018-68
CONCERNING THE ATTEMPTS TO RELEASE PROSPALTELLA PERNICIOSI TOWER (HYMENOPTERA, APHELINIDAE) AGAINST THE SAN JOSE SCALE (QUADRASPIDIOTUS PERNICIOSUS COMSTOCK) IN BADENWUERTTEMBERG. (GE)
G Neuffer
Entomophaga 9(2):131-136
1964 421 EN835
Aphelinidae, Aspidiotus perniciosus, Biological control (insects), Parasites, Prospaltella fasciata, Prospaltella perniciosi. French summary

23019-68
THE IDENTIFICATION OF BACILLUS THURINGIENSIS.
J R Norris H D Burges
Entomophaga 10(1):41-47 REF
1965 421 EN835
Antigens, Bacillus thuringiensis, Classification, Esterases, Insect control, Insect diseases, Taxonomy. French summary.

23020-68
TOXICITY OF NICOTIANA AND PETUNIA SPECIES TO LARVAE OF THE TOBACCO HORNWORM.
J C Parr R Thurston
J Econ Entomol 61(6):1525-1531 REF
13 Dec 1968 421 J822
Manduca sexta, Nicotiana, Petunia.

23021-68
ACCUMULATION AND TRANSFER OF 32P BY MALE SOUTHERN HOUSE MOSQUITOES.
R S Patterson B J Smittle C S Lofgren
J Econ Entomol 61(6):1546-1548
16 Dec 1968 421 J822
Culex pipiens quinquefasciatus, Insect metabolism, Phosphorus isotopes, Radioactive tracers, Reproductive organs.

23022-68
PRELIMINARY REPORT ON ETHOLOGICAL OBSERVATIONS OF THE COPULATORY ACT AMONG SCHIZAPHIS DUBIA HUC. AND SCHIZAPHIS BOREALIS TAMBS-LYCHE (HOM. APH.).
J Pettersson
Opusc Entomol 33(3):359-361
15 Nov 1968 421 OP7
Aphididae, Insect evolution, Sex behavior.

23023-68
ON THE PHENOLOGY AND CONTROL VALUE OF STETHORUS PUNCTILLIUM WEISE AS PREDATOR OF TETRACHYNUS CINNEBARINUS BOISD. IN ISRAEL.

H N Plaut
Entomophaga 10(2):133-137 REF
1965 421 EN835
Predaceous insects, Stethorus punctillium, Tetranychus cinnabarinus. German summary

23024-68
ON A NUCLEAR AND A CYTOPLASMIC POLYHEDROSIS OF ADOXOPHYES RETICULANA HB.
M B Ponsen D J de Jong
Entomophaga 9(3):253-255
1964 421 EN835
Adoxophyes orana, Cell nucleus, Cytoplasm, Insect physiology, Mamestra brassicae, Polyhedroses, Virus diseases (insects). German summary.

23025-68
SUB-LETHAL GAMMA RADIATION EFFECTS ON PREPUPAE, PUPAE, AND ADULTS OF ANGOUMOIS GRAIN MOTH.
Z A Qureshi D A Wilbur R B Mills
J Econ Entomol 61(6):1699-1705 REF
16 Dec 1968 421 J822
Cobalt isotopes, Gamma rays, Insect morphology, Insect physiology, Pupae, Sitotroga cerealella, Sterility.

23026-68
THE ANATOMY OF THE NERVOUS SYSTEM OF THE THIRD INSTAR LARVA OF MUSCA DOMESTICA NEBULO FABR. (DIPTERA--CYCLORRHAPHA-MUSCIDAE).
D R Ranade
Inc Acad Sci Proc 65(1):34-41
Jan 1967 513 IN25B
Insect anatomy, Insect morphology, Larvae, Musca domestica, Nervous system.

Abstract

23027-68
RESEARCH NOTE: RATE OF MULTIPLICATION AND SEX RATIO IN RELATION TO THE QUANTITY OF FOOD MATERIAL IN BRACON BREVICORNIS WESMAEL AND PERISIEROLA NEPHANTIDIS MUESEBECK.
C S Rao N R Rao E Dharmaraju
Andhra Agr J 14(5):165-166
1967 34.2 AN4
Braconidae, Coconuts, Demography, Fertility, Food habits, Insect biology.

23028-68
NEW DATA TO THE BIOLOGY OF CAPNODIS TENEBRIONIS L. (COLEOPTERA).
G Reichart
Acta Zool (budapest) 13(3-4):395-408 REF
1967 410 AC85
Buprestidae, Capnodis tenebrionis, Insect biology, Insect ecology, Insect pests, Reproduction.

23029-68
IDENTIFICATION OF TWO OXYGENATED TERPENES FROM THE BARK BEETLES DENDROCTONUS FRONTALIS AND DENDROCTONUS BREVICOMIS.
J A A Renwick
Boyce Thompson Inst Contrib 23(10,APR-JUN):355-360
Jun 1967 451 B69
Chromatography, Dendroctonus brevicomis, Dendroctonus frontalis, Spectrochemistry, Terpenes.

23030-68
IDENTIFICATION OF TWO OXYGENATED TERPENES FROM THE BARK BEETLES DENDROCTONUS FRONTALIS AND DENDROCTONUS BREVICOMIS.
J A A Renwick
Boyce Thompson Inst Contrib 23(10,APR-JUN):355-360
Jun 1967 451 B69
Biochemistry, Chromatography, Dendroctonus brevicomis, Dendroctonus frontalis, Terpenes.

23031-68
CHANGES IN THE METABOLISM OF NUCLEIC ACIDS IN THE OVARIES OF THE HOUSE FLY, MUSCA DOMESTICA, AFTER APPLICATION OF CHEMOSTERILANTS.
B Rezabova
Acta Ent Bohemoslov 65(5):331-340 REF
1968 420 C33
Biochemistry, Chemosterilants, Insect metabolism, Musca domestica, Nucleic acids, Ovaries.

23032-68
OBSERVATIONS ON HOST SELECTION BY TOMICOBIA TIBIALIS ASHMEAD (HYMENOPTERA: PTEROMALIDAE).
R E Rice
Boyce Thompson Inst Contrib 24(3,APR-JUN):53-56
Jun 1968 451 B69
Ips, Pheromones, Pteromalidae.

23033-68
STUDY OF THE REGENERATION OF THE CUTICULE IN DEFERNCE TO A TEGUMENTARY EXCISION IN THE LOCUSTA MIGRATORIA. (FR)
E. Rinterknecht
Arch Zool Exp Gen 108(3):461-502 REF
1967 410 AR24
Biochemistry, Cuticle, Insect physiology, Locusta migratoria, Regeneration. English abstract

23034-68
THE FUNDAMENTAL SCHEMA OF OOGENESIS IN THE FIREBRAT LEPISMODES INQUILINUS (THYSANURA, LEPISMATIDAE) AND ITS PERIODISATION IN CONNECTION WITH IMAGINAL MOULTING CYCLES.
E B Rohdendorf
Acta Ent Bohemoslov 65(5):341-348 REF
1968 420 C33
Insect morphology, Insect physiology, Lepismatidae, Molting (insects), Oogenesis.

23035-68
STUDIES ON THE INSECTICIDAL ACTION OF NEREISTOXIN, 4-N,N-DIMETHYLAMINO-1,2-DITHIOLANE. V. BLOCKING ACTION ON THE COCKROACH GANGLION.
M Sakai
Botyu-kagaku 32(2):21-33 REF
May 1967 421 B65
Dimethylamino-1,2-dithiolane,4-N,N-, Electrophysiology, Insect physiology, Insecticides, Nervous system, Periplaneta americana, Toxicology.

English and japanese abstracts.

23036-68
ASSAYS OF NEW PRODUCTS FOR THE CONTROL OF RUST MITE OF CITRUS--PHYLLOCOPTRUTA OLEIVORA (ASH.). (POR)
A S Sampaio R Calza N S Filho O Rodriguez A Orlando
Biologico 33(6):129-132
Jun 1967 442.8 B529
Acaricides, Butyl-4,6-dinitrophenyl isopropyl carbonate, 2-sec-, Chemical control (insects), Chlorophenyl 2,4,5-trichlorophenyl azosulfide, 4-, Citrus, Epizootic diseases, Fluorescent antibody technic, Histology, Maneb, Phyllocoptruta oleivora, Triphenyltin hydroxide.

23037-68
ON THE MORPHOLOGY AND THE BIONOMICS OF THE INSECTS OF ECONOMIC IMPORTANCE II--HEAD APPENDAGES IN ALPHITOBIUS DIAPERINUS (PANZ.) (TENEBRIONIDAE--COLEOPTERA).
K Sarin V B Tembe S C Saxena
Zool Anz 180(5-6,MAY-JUN):423-435 REF
Jun 1968 410 Z7
Alphitobius diaperinus, Head, Insect morphology, Mouth parts.

23038-68
REMARKABLE NEW DEMONSTRATION OF THE OCCURRENCE OF THE BOTFLY OESTROMYIA LEPORINA (PALLAS, 1778) IN GERMANY. (GE)
H Scherf G Rietschel
Z Parasitenk 28(3):223-231 MAP REF
28 Mar 1967 442.8 Z33F
Insect morphology, Larvae, Oestridae, Oestromyia leporina, Rodents, Zoogeography.

23039-68
BIOLOGICAL OBSERVATIONS ON SOME SAND FLIES (PHLEBOTOMUS) OF RANCHO GRANDE (VENEZUELA). 5. GONADOTROPHIC CHARACTERISTICS OF PHLEBOTOMUS TOWSENDI. (SP)
J V Scorza I Ortiz I Gomez
Acta Biol Venezuelica 6(2):52-65 REF
30 Jun 1968 475 AC86
Gastrointestinal system, Malpighian tubes, Ovaries, Phlebotomus. English abstract

23040-68
BIOLOGICAL OBSERVATIONS ON SOME SAND FLIES (PHLEBOTOMUS) OF RANCHO GRANDE (VENEZUELA). 5. GONAMICROCLIMATIC FACTORS DETERMINING ENDEMISMS OF THE PHLEBOTOMUS--FAUNA OF RANCHO GRANDE. (SP)
J V Scorza I Ortiz I Gomez
Acta Biol Venezuelica 6(2):76-83 REF
30 Jun 1968 475 AC86
Climate, Insect ecology, Phlebotomus. English abstract

23041-68
FREE NUCLEOTIDES AND THEIR DERIVATIVES IN THE FAT BODY OF THE OAK SILKWORM LARVA ANTHERAEA PERNYI G.
G A Sevast'yanova A N Smolin
Biokhimiya 32(3,PT 2,MAY-JUN):452-460 REF
Jun 1967 385 B523
Antheraea pernyi, Biochemistry, Fat body, Insect physiology, Larvae, Nucleotides. Russian journal- vol. 32(3):548-557, May-Jun, 1967

23042-68
INFECTION OF THE CITRUS RED MITE WITH VIRUS IN CENTRAL AND SOUTHERN CALIFORNIA.
J G Shaw H Tashiro E J Dietrick
J Econ Entomol 61(6):1492-1495
16 Dec 1968 421 J822
Citrus, Insect diseases, Mites, Panonychus citri.

23043-68
DEVELOPMENTS IN THE RESISTANCE STATUS OF THE SOUTHERN CATTLE TICK TO ORGANOPHOSPHORUS AND CARBAMATE INSECTICIDES.
R D Shaw M Cook R E Carson
J Econ Entomol 61(6):1590-1594
12 Dec 1968 421 J822
Boophilus microplus, Carbamates, Cattle, Insect pests, Insecticide resistant insects, Insecticides, Organophosphorus compounds.

23044-68
THE DYNAMICS OF THE FREE AMINO ACIDS IN THE TISSUES OF THE CHINESE SILKWORM DURING ITS DEVELOPMENT.
L I Shchegoleva Yu B Filippovich
Biokhimiya 32(4,PT 1,JUL-AUG):632-638 REF
Aug 1967 385 B523
Amino acids, Antheraea pernyi, Histochemistry, Insect physiology, Larvae. Russian journal- vol. 32(7):766-773, Jul-Aug, 1967

23045-68
IRRADIATION OF QUEENSLAND FRUIT FLY PUPAE TO MEET QUARANTINE REQUIREMENTS.
E Shipp A W Osborn
J Econ Entomol 61(6):1721-1726 REF MAP
16 Dec 1968 421 J822
Anesthesia, Carbon dioxide, Cobalt isotopes, Dacus tryoni, Gamma rays, Pupae, Sex determination, Sterility.

23046-68
STUDIES ON THE SITKA SPRUCE WEEVIL, PISSODES SITCHENSIS, IN BRITISH COLOMBIA.
G T Silver
Can Entomol 100(1):93-110
Jan 1968 421 C16
Chemical control (insects), Ddt, Insect behavior, Insect physiology, Metamorphosis, Natural control (insects), Phosphamidon, Picea sitchensis, Pissodes sitchensis, Spraying.

Abstract: The life history of the Sitka spruce weevil, Pissodes sitchensis is described.

23047-68
FEEDING AND REPRODUCTION OF THE GRAIN MITE AND THE MUSHROOM MITE ON SOME SPECIES OF PENICILLIUM.
R N Sinha J T Mills
J Econ Entomol 61(6):1548-1552 REF
16 Dec 1968 421 J822
Acarus siro, Culture media, Food plants, Mites, Penicillium, Reproduction, Stored products, Tyrophagus putrescentiae.

23048-68
RADIOLABELING OF TICK PROGENY BY INOCULATION OF PROCREANT FEMALES.
D E Sonenshine C E Yunker
J Econ Entomol 61(6):1612-1617 REF
16 Dec 1968 421 J822
Injections, Insect eggs, Ixodides, Larvae, Radioactive tracers, Radiobiology, Radioisotopes.

23049-68
INTEGRATED CONTROL PROBLEMS OF CITRUS AND PEACH APHID PESTS IN ITALY ORCHARDS.
P Stary
Entomophaga 9(2):147-152
1964 421 EN835
Aphididae, Citrus, Insect pests, Integrated control (insects), Peaches. French summary.

23050-68
FOOD SPECIFICITY IN THE APHIDIIDAE (HYMENOPTERA).
P Stary
Entomophaga 9(1):91-99 REF
1964 421 EN835
Aphididae, Food, Host specificity, Hymenoptera, Insect behavior, Parasites. German summary

23051-68
THE CHARACTERISTICS OF THE OVERGROUND AND SOIL ZOOMICROBIOLOGICAL COMPLEXES OF THE STEPPE LANDSCAPES IN WESTERN AND MIDDLE SIBERIA. (RUS)
I V Stebaev
Zool Zhur 47(5):661-675
May 1968 410 R92
Grain, Orthoptera, Plant physiology, Soil microbiology, Soil mineralogy, Tenebrionidae.

English and russian abstracts.

23052-68
A SIMPLE METHOD OF DETERMINING THE EFFECT OF A PLANT PROTECTION PREPARATION ON THE FAUNA OF FRUIT TREES. (GE)
H Steiner
Entomophaga 10(3):231-243
1965 421 EN835
Aphididae, Fruit, Insect physiology, Insecticides, Integrated control (insects), Plant protection, Trees. English summary.

23053-68
EFFECT OF TEMPERATURE ON INFECTION OF THE GARDEN SYMPHYLAN BY ENTOMOPHTHORA CORONATA.
M W Stimmann
J Econ Entomol 61(6):1558-1560
12 Dec 1968 421 J822
Entomophthora coronata, Insect diseases, Mortality, Scutigerella immaculata, Temperature.

23054-68
VENATION OF METATHORIC WINGS AND NOTES ON THE RELATIONSHIPS OF MICROPHYSIDAE (HETEROPTERA).
P Stys
Acta Ent Bohemoslov 59(3):234-239 REF
1962 420 C33
Heteroptera, Insect anatomy, Microphysidae, Venation (insects), Wings (insects). Czech summary.

23055-68
FERRIEROPRIA N. GEN. (HYM. PROCT. DIAPRIIDAE, DIAPRIINAE).
A Sundholm
Entomophaga 9(1):107-110
1964 421 EN835
Diapriidae, Ferrieropria, Insect biology, Insect taxonomy. French summary.

23056-68
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I Szabo M Marton L Ferenczy I Buti
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1967 448.3 AC84
Actinomycetes, Bibio marci, Bibionidae, Intestines, Streptomyces, Symbiosis.

Abstract

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Actinomycetes, Bibio marci, Intestines, Larvae.

Abstract

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FACTORS AFFECTING THE SUSCEPTIBILITY OF INSECTS TO VIRUSES.
Y Tanada
Entomophaga 10(2):139-150 REF
1965 421 EN835
Insect control, Insect diseases, Viruses. German summary

23059-68
RESULTS OF INTEGRATED PEST CONTROL IN PLUM CULTURES. (GE)
H Thill
Entomophaga 9(3):247-251
1964 421 EN835
Insecticides, Integrated control (insects), Oxydemetonmethyl, Parathion, Plums, Spraying, Trichlorfon. French summary.

23060-68
OBSERVATIONS ON PREDACEOUS MITES ON PLUM TREES. (GE)
H Thill
Entomophaga 9(3):239-242
1964 421 EN835
Panonychus ulmi, Phytoseiidae, Plums, Predaceous mites, Spraying, Trees, Typhlodromus. French summary

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A RICKETTSIAL DISEASE OF THE DESERT LOCUST (SCHISTOCERCA GREGARIA FORSK.). (FR)
C Vago G Meynadier
Entomophaga 10(4):307-310
1965 421 EN835
Insect diseases, Larvae, Microscopy, Rickettsial diseases, Schistocerca gregaria. English summary

23062-68
MORPHOLOGICAL STUDY OF THE VIRUS OF THE SPINDLE DISEASE OF COLEOPTERA. (FR)
C Vago O Croissant
Entomophaga 9(2):207-210
1964 421 EN835
Coleoptera, Insect diseases, Melolontha melolontha, Morphology, Research, Viruses. English summary.

23063-68
APHOLATE-INDUCED STERILITY IN BRACON HEBETOR.
L R Valcovic D S Grosch
J Econ Entomol 61(6):1514-1517 REF
16 Dec 1968 421 J822
Apholate, Bracon hebetor, Chemosterilants, Fertility, Insect eggs, Insect physiology, Ovaries.

23064-68
FEEDING APPARATUS IN THE SCORPION, HETEROMETRUS FULVIPES.
P Venkateswararao
Inc Acad Sci Proc 66(1):1-9
Jul 1967 513 IN25B
Animal morphology, Heterometrus fulvipes, Mouth parts, Scorpionida.

Abstract

23065-68
THE ENTOMO-PARASITIC SPECIALIZATION OF SOME EULOPHIDAE (HYM., CHALCIDOIDEA). (IT)
G Viggiani
Entomophaga 9(1):111-118 REF
1964 421 EN835
Chalcidoidea, Eulophidae, Insect behavior, Larvae, Parasitism. English summary.

23066-68
ASOLCUS BENNISI N. SP. (HYMENOPTERA, PROCTOTRUPOIDEA) AN OOPHAGOUS PARASITE OF GRAPHOSOMA LINEATA L. (HET. PENTATOMIDAE). (FR)
J Voegele
Entomophaga 9(1):119-122
1964 421 EN835
Asolcus bennisi, Graphosoma lineata, Heteroptera, Insect eggs, Parasitism, Pentatomidae, Proctotrupoidea. English summary.

23067-68
THE EFFECT OF AN EXPERIMENTAL SPRAY SCHEDULE ON THE POPULATION OF METATETRANYCHUS ULMI KOCH AND TYPHLODROMUS PYRI SCHEUTEN.
M van de Vrie
Entomophaga 9(3):243-246
1964 421 EN835
Chemical control (insects), Panonychus ulmi, Phytophagous mites, Population, Predaceous mites, Spraying, Time, Typhlodromus pyri. German summary.

23068-68
UTILISATION OF TRICHOGRAMMA CACOECIAE MARCH., HYM. TRICHOGRAMMATIDAE IN CONTROL OF THE PLUM MOTH LEP. TORTRICIDAE DEPENDING ON THE NUMBERS USED AND TIME OF INTRODUCTION.
I Wiackowska
Entomophaga 10(2):151-157
1965 421 EN835
Biological control (insects), Hymenoptera, Lepidoptera, Parasitic insects, Plums, Trichogramma cacoeciae, Trichogrammatidae. French summary.

23069-68
THE AREA OF EFFECTIVENESS OF THE THRUST-OUT REFLEX IN BARK BEETLES. (GE)
H E Wichmann
Anz Schadlingskunde 40(12):184-187
Dec 1967 421 AN9
Insect behavior, Insect physiology, Insect protective devices, Scolytidae. English summary.

23070-68
POPULATION FLUCTUATIONS IN FRUIT ORCHARD INSECTS. (GE)
T Wildbolz

Entomophaga 9(3):257-262 REF
1964 421 EN835
Fruit, Insect migration, Insect pests, Insecticides, Integrated control (insects), Population. English summary.

23071-68
THE EGG- AND LARVAL DEVELOPMENT OF TROGODERMA ANGUSTUM SOL. (DERMESTIDAE). (GE)
R Wohlgemuth
Anz Schadlingskunde 40(6):83-91 REF
Jun 1967 421 AN9
Dermestidae, Humidity, Insect eggs, Insect morphology, Insect pests, Insect rearing, Larvae, Temperature, Trogoderma angustum. English summary.

23072-68
CERCAL POTENTIALS IN THE PERIPLANETA AMERICANA. .
A Wozniak R Alvarez E Wilson E G Austt
Acta Physiol Lat Amer Fisiol Farmacol Bioquim Cienc Afines 17(1):102-111 REF
1967 444.8 AC86
Bio-electric potential, Insect physiology, Nervous system, Periplaneta americana.

Electrical potentials of 150 cockroaches in response to auditory stimuli were recorded by placing electrodes in the anal cerci, cercal nerves, sixth abdominal ganglion and ventral nerve.

23073-68
MUSCULATURE, NERVOUS SYSTEM AND GLANDS OF PREGENITAL ABDOMINAL SEGMENTS OF THE FEMALE OF NOMIA MELANDERI CKLL. (HYMENOPTERA, APOIDEA).
N N Youssef
J Morphol 125(2):205-217 REF
Jun 1968 444.8 J826
Anatomy, Glands (insects), Histology, Insect rearing, Muscles, Nervous system, Nomia melanderi, Research.

GENETICS

23074-68
CHROMOSOMES OF SYRPHIDAE. III. KARYOTYPES OF SOME SPECIES IN THE TRIBES MILESIINI AND MYOLEPTINI.
J W Boyes J M Van Brink
Chromosoma 22(4):417-455 REF
16 Oct 1967 442.8 C46
Chromosomes, Cytogenetics, Insect genetics, Syrphidae.

23075-68
THE SALIVARY GLAND CHROMOSOMES OF DASYNEURA CRATAEGI (DIPTERA: CECIDOMYIIDAE).
S A Henderson
Chromosoma 23(1):38-58 REF
31 Oct 1967 442.8 C46
Cecidomyiidae, Chromosomes, Cytogenetics, Insect genetics, Salivary glands (insects).

23076-68
DISTORTIONAL MEIOTIC SEGREGATION OF A SUPERNUMERARY CHROMOSOME PRODUCING DIFFERENTIAL FREQUENCIES IN THE SEXES IN THE SHORT-HORNED GRASSHOPPER PHAULACRIDIUM VITTATUM.
W D Jackson D S M Cheung
Chromosoma 23(1):24-37 REF
31 Oct 1967 442.8 C46
Acrididae, Chromosomes, Cytogenetics, Insect genetics, Meiosis.

23077-68
SALIVARY GLAND CHROMOSOME PATTERN VARIATION IN THE C CHROMOSOME OF DROSOPHILA ATHABASCA AND RELATED SPECIES. ABSTRACTS, 1968. PROCEEDINGS, APRIL 26, 27, 1968. LINCOLN, NEBRASKA.
D D Miller W G Sanger
Nebr Acad Sci Proc 6
26 Apr 1968 500 N27P
Chromosomes, Drosophila athabasca, Drosophilidae, Insect genetics, Salivary glands (insects).

Abstract

23078-68
A TERMINAL ASSOCIATION OF TWO PERICENTRIC INVERSIONS IN FIRST METAPHASE CELLS OF THE AUSTRALIAN GRASSHOPPER AUSTROICETES INTERIORIS (ACRIDIDAE).
R N Nankivell
Chromosoma 22(1):42-68 REF
06 Jul 1967 442.8 C46
Acrididae, Chromosomes, Cytogenetics, Insect genetics, Polymorphism.

23079-68
CYTOGENETICS. REDUCED FERTILITY IN SD MALES AND ITS BEARING ON SEGREGATION DISTORTION IN DROSOPHILA MELANOGASTER.
B Nicoletti G Trippa A de Marco
Rome Acad Naz Lincei Atti Rendiconti 43(5):383-392 REF
Nov 1967 507 R66
Chromosomes, Cytogenetics, Cytology, Drosophila melanogaster, Electron microscopy, Experimental insects, Fertility, Insect genetics, Morphology, Spermatozoa. Italian summary.

23080-68
GENETIC HETEROGENEITY AMONG THE FOUNDERS OF LABORATORY POPULATIONS OF DROSOPHILA. I. SCUTELLAR CHAETAE.
P A Parsons S M W Hosgood
Genetica 38(3):328-339 REF
1968 442.8 G282
Drosophila melanogaster, Hair, Insect genetics, Insect morphology, Variance analysis.

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23081-68
BEETLE PEST PROVES TO BE EXPERIMENTAL ASSET.
A R Quartermain
New Zeal J Agr 115(6):20-21
Dec 1967 23 N48J
Insect genetics, Insect rearing, Tribolium castaneum.

23082-68
ELECTRON MICROSCOPIC OBSERVATIONS ON INTERBAND FIBRILS IN DROSOPHILA SALIVARY CHROMOSOMES.
M Sorsa V Sorsa
Chromosoma 22(1):32-41 REF
06 Jul 1967 442.8 C46
Chromosomes, Cytogenetics, Drosophila melanogaster, Electron microscopy, Salivary glands (insects).

23083-68
THE EFFECT OF X-IRRADIATION ON MALE MEIOSIS IN SCHISTOCERCA GREGARIA (FORSKAL). I. CHIASMA FREQUENCY RESPONSE.
M Westerman
Chromosoma 22(4):401-416 REF
16 Oct 1967 442.8 C46
Chromosomes, Insect genetics, Irradiation, Meiosis, Schistocerca gregaria.

MEDICAL ENTOMOLOGY

23084-68
EXPERIMENTAL MOSQUITO-TRANSMISSION OF PLASMODIUM KNOWLESI TO MAN AND MONKEY.
W Chin P G Contacos W E Collins M H Jeter E Alpert
Amer J Trop Med Hyg 17(3):355-358 REF
May 1968 448.8 AM326
Anopheles balabacensis, Culicidae, Human diseases, Insect vectors, Monkeys, Plasmodium knowlesi.

23085-68
RESULTS OF TESTS OF SENSITIVITY TO INSECTICIDES OF ANOPHELES ADULTS IN RUMANIA. (FR)
M Duport
World Health Organ WHO/VECT Contr 185.65, 5P
1965 423.92 W89
Anopheles maculipennis, Chemical control (insects), Ddt, Dieldrin, Fenthion, Insecticide resistant insects, Malathion. English summary.

23086-68
CONTROL OF GROUND-NESTING YELLOW JACKETS WITH TOXIC BAITSA FIVE-YEAR TESTING PROGRAM.
C D Grant C J Rogers T H Laurer
J Econ Entomol 61(6):1653-1656
16 Dec 1968 421 J822
Baits, Chemical control (insects), Chlordane, Horsemeat, Vespula pensylvanica, Vespula vulgaris.

23087-68
SUMMARY OF RECENT ABSTRACTS. VI. PLAGUE.
R J Henderson
Trop Dis Bull 64(7):697-704
Jul 1967 448.8 T752
Animal diseases, Dieldrin, DDT, Epidemiology, Human diseases, Immunity, Insect vectors, Plague, Rodents. Abstracts appear in the Tropical Disease Bulletin, 1966, v.63.

23088-68
TICK-BORNE ENCEPHALITIS: A COMPARATIVE SEROLOGICAL SURVEY IN HUNGARY.
E Molnar T Kubaszova
Acta Microbiol 13(4):289-294
1966 448.3 AC84
Hemagglutination-inhibition test, Russian spring-summer encephalitis, Serodiagnosis.

Abstract

CROP PROTECTION

23089-68
YIELD LOSSES DUE TO PESTS AND DISEASES IN RICE CROP.
T P Abraham R C Khanna R K Khosla
Indian Farming 18(3):24-26
Jun 1968 22 IN283
Crop losses, Crop yields, Insect pests, Plant diseases, Rice.

23090-68
INSECTICIDAL SPACE SPRAYS FOR GRAIN AND FLOUR MILLS AND FLOUR STORAGE.
P G Bartlett H W Shaver
Cereal Sci Today 13(11):402-404
Nov 1968 59.8 C333
Flour, Grain, Insecticides, Pyrethrum, Research, Spraying, Storage, Tables (data).

23091-68
VIRUS DISEASES AND ORCHIDS.
G M Behncken
Queensland Agr J 94(7):446-449
Jul 1968 23 Q33
Diagnosis, Orchidaceae, Plant disease control, Plant protection, Reproduction, Virus diseases (plants).

23092-68
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143P MAP
1967 423.92 C162
Forest insects, Insect pests, Plant protection, Reports, Surveys, Tree diseases, Trees.

23093-68
MARITIMES REGION.
R S Forbes G R Underwood G A Van Sickle
Can Dep Forest Rural Develop Annu Rep 17-33 MAP

1967 423.92 C162
Forest insects, Insect pests, Plant protection, Tree diseases, Trees.

23094-68
A NEW CRYPTOGAMIC DISEASE OF CORN SALAD DISCOVERED IN ROMAND SWITZERLAND. (FR)
D Gindrat A Semecnik A Bolay
Switzerland Stat Essais Agr Lausanne Publ 796.3-7
Nov 1967 105.5 SW63
Fungus diseases (plants), Phoma valerianellae, Valerianella olitoria. Extract from Revue Horticole Suisse, vol. 40 no. 11, p.347-351.

23095-68
MANITOBA-SASKATCHEWAN REGION.
W G H Ives N R Brandt B C Sutton
Can Dep Forest Rural Develop Annu Rep 76-96 MAP
1967 423.92 C162
Forest insects, Insect pests, Plant protection, Tree diseases, Trees.

23096-68
THE INTERRELATIONSHIPS OF THE CAUSAL FUNGUS OF BROWN ROOT ROT OF TOMATOES AND POTATO ROOT EELWORM, HETERODERA ROSTOCHIENSIS WOLL.
G L James
Ann Appl Biol 61(3):503-510 REF
Jun 1968 442.8 AN72
Brown root rot (tomatoes), Fungus diseases (plants), Heterodera rostochiensis, Nematodes, Potatoes, Tomatoes.

23097-68
THE CONTRIBUTION OF CHEMISTRY TO AGRICULTURE. (FR)
G Kersaint
Chim Indus Genie Chim 100(3):237-241
Aug 1968 383 C42
Agricultural outlook, Agriculture, Chemistry, Evolution, History, Plant diseases, Soil fertility. English summary.

23098-68
HERBICIDE RESIDUES IN CALIFORNIA AGRICULTURAL SOILS.
A Lange B Fischer W Humphrey W Seyman K Bachott
Calif Agr 22(8):2-4
Aug 1968 100 C12CAG
Chemicals, Crops, Herbicide residues, Plant growth inhibitors, Research, Soils.

23099-68
QUEBEC REGION.
R Martineau G B Ouellette
Can Dep Forest Rural Develop Annu Rep 34-50 MAP
1967 423.92 C162
Forest insects, Insect pests, Plant protection, Tree diseases, Trees.

23100-68
BRITISH COLUMBIA REGION.
A C Molnar J W E Harris D A Ross J H Ginns
Can Dep Forest Rural Develop Annu Rep 108-124 MAP
1967 423.92 C162
Forest insects, Insect pests, Plant protection, Tree diseases, Trees.

23101-68
AIR POLLUTION AND AGRICULTURE TODAY.
V P Osterli L B McNelly
Calif Agr 22(9):8-9
Sep 1968 100 C12CAG
Agricultural legislation, Agricultural outlook, Air pollution, Photochemistry, Plant injuries.

23102-68
THE MOST IMPORTANT PESTS OF SUGARCANE UNDER PHILIPPINE CONDITIONS AND THEIR CONTROL.
J D Recuenco
Sugarcane Farmers Bull 4(3):15-25
Dec 1967 65.8 SU334
Biological control (pests), Chemical control (pests), Chemicals, Research, Spraying, Sugarcane.

23103-68
COMBATING PESTS OF VEGETABLE CROPS.
D B Reddy V C Gupta
Indian Hort 11(2,JAN-MAR):32-36
1967 80 IN23
Chemical control (pests), Plant injuries, Research, Spraying, Vegetables.

23104-68
REACTIONS OF LODGEPOLE PINE TO ATTACK BY DENDROCTONUS PONDEROSAE HOPKINS AND BLUE STAIN FUNGI.
R W Reid H S Whitney J A Watson
Can J Bot 45(7):1115-1126 REF
Jul 1967 470 C16C
Blue stain (coniferae), Dendroctonus ponderosae, Fungus diseases (plants), Insect pests, Pinus contorta latifolia.

23105-68
ONTARIO REGION.
W L Sippell A H Rose M J Larsen
Can Dep Forest Rural Develop Annu Rep 51-75 MAP
1967 423.92 C162
Forest insects, Insect pests, Plant protection, Tree diseases, Trees.

23106-68
CARBAMATE HERBICIDES; NEW TOOLS FOR CYTOLOGICAL STUDIES.
W B Storey L S Jordan J D Mann
Calif Agr 22(8):12-13
Aug 1968 100 C12CAG
Carbamates, Chemicals, Chromosomes, Cytology, Herbicides, Laboratories, Plant protection.

23107-68
HARLAND BARLEY.
C A Suneson
Calif Agr 22(8):9
Aug 1968 100 C12CAG
Agricultural outlook, Barley, Breeding, Crop yields, Harvesting, Plant protection.

23108-68
EFFECTS OF AIR POLLUTANTS ON LEMONS AND NAVEL ORANGES.
C R Thompson
Calif Agr 22(9):2
Sep 1968 100 C12CAG
Agricultural outlook, Air pollution, Irrigation, Lemons, Oranges, Plant injuries, Research.

23109-68
ALBERTA-NORTHWEST TERRITORIES-YUKON REGION.
H A Tripp J K Robins
Can Dep Forest Rural Develop Annu Rep 97-107 MAP
1967 423.92 C162
Forest insects, Insect pests, Plant protection, Tree diseases, Trees.

23110-68
THE USE OF GROWTH REGULATORS IN CEREAL CULTURE. TEST RESULTS 1965-1966. (FR)
A Vez
Switzerland Stat Essais Agr Lausanne Publ 777:1-8
Feb 1967 105.5 SW63
Chloroethyl)trimethylammonium chloride, (2-, Fertilizers, Grain, Plant regulators, Stripe rust (grain). Extract from Agriculture Romand 1967, vol. 6 no. 2, seris A page 16-22.

23111-68
NEWFOUNDLAND REGION.
G L Warren
Can Dep Forest Rural Develop Annu Rep 9-16 MAP
1967 423.92 C162
Forest insects, Insect pests, Plant protection, Tree diseases, Trees.

23112-68
METHODS OF SOIL FUMIGATION.
T Wicks D Hodge
S Australia J Agr 71(12):418-431
Jul 1968 23 SO84
Equipment, Fumigants, Greenhouses, Plant disease resistance, Seedbeds, Soil fumigation, Soil structure, Water treatment.

DISEASES

23113-68
INDUCTION OF CROWN GALLS IN PLANTS TREATED WITH GIBBERELLIC ACID. (IT)
F Barbetta
Accad Gioenia Sci Nat Catania Bull Sedute (SER 4)8(6/7):566-570
1965 507 C28
Agrobacterium tumefaciens, Biochemistry, Chemical control (plant diseases), Crown galls, Gibberellic acid, Injections, Tomatoes. English, French, and German summary.

23114-68
THE EFFECT OF GIBBERELLIC ACID ON VEGETABLE TUMORS. (IT)
F Barbetta
Accad Gioenia Sci Nat Catania Bull Sedute (SER 4)8(6/7):571-579 REF
1965 507 C28
Agrobacterium tumefaciens, Biochemistry, Cells, Crown galls, Gibberellic acid, Injections, Plant diseases, Tomatoes, Vegetables. English, French, and German summary.

23115-68
EFFECT OF CARBON AND NITROGEN SOURCES ON GROWTH OF HELMINTHOSPORIUM ATROVIRENS (ABSTRACT).
A P Benson A Singh
Phytopathology 57(8):803
Aug 1967 464.8 P56
Carbon, Culture media, Fungus diseases (plants), Growth, Nitrogen, Spondyloeladium atrovirens.

23116-68
THE INACTIVATION OF VEINBANDING AND LATENT C VIRUSES IN STRAWBERRIES BY HEAT TREATMENT.
A T Bolton
Can J Plant Sci 47(4):375-380
Jul 1967 450 C16
Heat, Strawberries, Vein banding, Virus diseases (plants), Virus C.

23117-68
RESISTANCE TO SCLEROTINIA TRIFOLIORUM IN RED CLOVER COLLECTED FROM NORTH AFRICA.
D A Bond G Toynbee-Clarke
J Agr Sci &london& 69(PT 2):259-262
Oct 1967 10 J822
Fungus diseases (plants), Plant disease resistance, Red clover, Sclerotinia trifoliorum.

23118-68
CORRELATION OF PHOTOPERIOD WITH TUBERIZATION AND SUSCEPTIBILITY OF POTATO TO VERTICILLIUM ALBO-ATRUM.
L V Busch L V Edgington
Can J Bot 45(5):691-693
May 1967 470 C16C
Fungus diseases (plants), Photoperiodism, Plant disease resistance, Potatoes, Verticillium albo-atrum.

23119-68
FIELD TRIALS WITH FUNGICIDES FOR POTATOES. (POR)
C A Campacci L O C Rezende Y Ino
Biologico 33(4):74-79
Apr 1967 442.8 B529

Alternaria solani, Chemical control (plant diseases), Fungicides, Phytophthora infestans, Potatoes, Tin compounds, Toxicology. English abstract

23120-68
TRINUCLEATE CELLS AND OTHER NUCLEAR ABNORMALITIES IN RACE 6 OF OAT STEM RUST.
J H Craigie V D Burrows
Can J Bot 45(7):1063-1075
Jul 1967 470 C16C
Abnormalities, Cell nucleus, Cells, Fungus diseases (plants), Oats, Stem rust (oats).

23121-68
MAIZE DWARF MOSAIC VIRUS RATINGS OF CORN HYBRIDS AND INBREDS TESTED IN ARKANSAS IN 1968.
J L Dale J O York
Ark Agr Exp Sta Mimeogr Ser 170:1-5
Nov 1968 100 AR42M
Dwarf disease (corn), Fertilizers, Mosaic (corn), Plant disease control, Research, Tables (data), Virus diseases (plants).

23122-68
EVALUATION OF METHODS OF THE ARTIFICIAL INFECTION OF WHEAT USTILAGO TRITICI (PERS.) JENS. (CZ)
J Danko A Michalikova
Pol'nohospodarstvo 14(9):665-675 REF
1968 19.5 P752
Methodology, Plant diseases, Research, Smut (wheat), Wheat. English and Russian summary.

23123-68
INCREASED HYPERSENSITIVITY INDUCED IN TOBACCO BY SYSTEMIC INFECTION BY POTATO VIRUS Y.
R E Davis A F Ross
Virology 34(3):509-520 REF
Mar 1968 448.8 V81
Hypersensitivity, Tobacco, Virus diseases (plants), Virus y (potatoes).

23124-68
SOME PROPERTIES OF HYPHAE ISOLATED FROM BEAN LEAVES INFECTED WITH THE BEAN RUST FUNGUS.
H M Dekhuijzen H Singh R C Staples
Boyce Thompson Inst Contrib 23(11,JUL-SEP):367-372 REF
Sep 1967 451 B69
Beans, Fungus diseases (plants), Plant biochemistry, Plant physiology, Rust (beans), Uromyces.

23125-68
THE IDENTITY OF A SEED-BORNE MOSAIC VIRUS OF CHENOPODIUM AMARANTICOLOR AND C. QUINOA.
H F Dias H E Waterworth
Can J Bot 45(8):1285-1295 REF
Aug 1967 470 C16C
Chenopodium amaranticolor, Chenopodium quinoa, Mosaic (chenopodium), Seed-borne plant diseases, Virus diseases (plants).

23126-68
FUNGAL COLONIZATION OF PISUM LEAVES.
C H Dickinson
Can J Bot 45(6):915-927 REF
Jun 1967 470 C16C
Fungus diseases (plants), Peas, Plant physiology.

23127-68
THE SUPPRESSION OF ACTINOMYCETES BY PCNB IN CULTURE MEDIA USED FOR ENUMERATING SOIL BACTERIA. (ABSTRACT).
J D Farley
Phytopathology 57(8):811
Aug 1967 464.8 P56
Actinomycetes, Culture media, Pentachloronitrobenzene, Soil bacteria.

23128-68
CHENOPODIUM AMARANTICOLOR NUTRITION AFFECTS CUCUMBER MOSAIC VIRUS INFECTION.
R E Foster
Phytopathology 57(8):838-840 REF
Aug 1967 464.8 P56
Calcium, Chenopodium amaranticolor, Cucumbers, Magnesium, Mosaic, Nitrogen, Phosphorus, Plant disease resistance, Plant nutrition, Potassium, Virus diseases (plants).

Abstract: Higher infection rates were obtained with high P, low K, high Ca, and high Mg than with the opposite concentration of each element. There was no difference between high Ca and the control. Susceptibility was not correlated with growth rate.

23129-68
TRABECULAE IN THE GRAPEVINE INFECTED WITH LEAFROLL VIRUS.
L L Hoefert E M Gifford
Amer J Bot 54(2):257-261 REF
Feb 1967 450 AM36
Fanleaf (grapes), Histochemistry, Leaf roll (grapes), Microscopy, Mosaic (tobacco), Plant physiology, Virus diseases (plants).

23130-68
A SIMPLE METHOD FOR MULTIPLE INOCULATIONS OF LEAVES WITH SEVERAL RACES OF RUST. (ABSTRACT).
M A Jabbar Miah W E Sackston
Phytopathology 57(8):822
Aug 1967 464.8 P56
Fungus diseases (plants), Leaves, Rust, Sunflowers, Uredinales.

23131-68
REPRODUCTIVE POTENTIALS OF RACES 15B AND 56 OF WHEAT STEM RUST.
K Katsuya G J Green
Can J Bot 45(7):1077-1091
Jul 1967 470 C16C
Fungus diseases (plants), Reproduction, Stem rust (wheat), Wheat.

23132-68
NATURAL OCCURRENCE OF TOBACCO RINGSPOT VIRUS IN PELARGONIUM IN ONTARIO.
W G Kemp
Can J Plant Sci 47(3):295-300 REF
May 1967 450 C16
Geranium, Ring spot (tobacco), Serological tests, Tobacco, Virus diseases (plants).

23133-68
THE EFFECT OF DARKENING ON THE SUSCEPTIBILITY OF FRENCH BEAN TO TOBACCO NECROSIS VIRUS.
W C Kimmins
Can J Bot 45(5):543-553 REF
May 1967 470 C16C
Beans, Lighting, Necrosis, Plant disease resistance, Tobacco, Virus diseases (plants).

23134-68
BIOLOGICAL CONTROL OF FOREST PATHOGENS. (SE)
M Krstic
Narodni Sumar 22(516):237-246 REF
1968 99.8 N16
Biological control (pests), Fomes annosus, Forest management, Pinus, Seedlings, Tree diseases. English summary.

23135-68
INCREASED RESISTANCE TO TOBACCO MOSAIC VIRUS IN GAMMA IRRADIATED TOBACCO LEAVES.
C W Kuhn H J Teas
Radiat Bot 8(4):317-323 REF
Aug 1968 450 R11
Gamma rays, Injections, Irradiation, Leaves, Mosaic (tobacco), Research, Tobacco. French and german summary

23136-68
A NEW LOOK AT BROWN ROOT ROT OF TOMATOES.
F T Last
New Zeal J Agr 114(2):54-55,57
Feb 1967 23 N48J
Brown root rot (tomatoes), Colletotrichum, Fungus diseases (plants), Plant disease resistance, Plant grafting, Soil sterilization, Tomatoes.

Brown root rot of tomatoes is described from all over the world. Soil sterilants, resistant plant breeding and grafting are discussed as controls.

23137-68
BREEDING BLIGHT RESISTANT PEARS FOR SOUTHWESTERN ONTARIO.
R E C Layne
Canada Agr 13(3,SUMMER):28-29
1968 7 R31
Blight (pears), Breeding, Environment, Erwinia amylovora, Pears, Plant disease control, Plant disease resistance.

23138-68
CONTROL OF CUCUMBER ANTHRACNOSE BY DIGITONIN, A STEROLCOMPLEXING CHEMICAL. (ABSTRACT).
C Leben
Phytopathology 57(8):818
Aug 1967 464.8 P56
Anthracnose, Colletotrichum lagenarium, Cucumbers, Digitonin, Fungus diseases (plants), Sterols.

23139-68
ROOT ROT TOLERANCE IN NEW ALFALFA STRAINS NOW AVAILABLE TO PLANT BREEDERS.
W F Lehman D C Erwin E H Stanford
Calif Agr 21(4):6
Apr 1967 100 C12CAG
Alfalfa, Fungus diseases (plants), Plant breeding, Plant disease resistance, Plant hardiness, Root rot (alfalfa).

23140-68
TERATOMA INDUCTION IN DATURA METELOIDES AND D. STRAMONIUM BY CROWN GALL BACTERIUM (AGROBACTERIUM TUMEFACIENS). (ABSTRACT).
J T Maier P K Chen
Phytopathology 57(8):820
Aug 1967 464.8 P56
Agrobacterium tumefaciens, Bacterial diseases (plants), Crown galls, Datura, Datura meteloides, Datura stramonium, Indoleacetic acid, Plant biochemistry.

23141-68
THE TUBERS, SAPOGENINS, AND VIRUS RESISTANCE OF DIOSCOREA SPECIES HYBRIDS.
F W Martin N E Delfel
Amer J Bot 54(9):1158-1162
Oct 1967 450 AM36
Plant disease resistance, Plant genetics, Sapogenins, Virus diseases (plants), Yams.

23142-68
DETECTING SEED-BORNE DISEASES.
D Matthews
New Zeal J Agr 115(3):88-89,91,93
Sep 1967 23 N48J
Bacteria, Chemical control (plant diseases), Fungi, Nematodes, Seed dissemination, Seed-borne plant diseases, Viruses.

Seed-borne, fungus, bacteria, virus and nematode diseases of plants, and their detection by field inspection are discussed.

23143-68
INFLUENCE OF TEMPERATURE ON THE LIBERATION, MOTILITY, AND GERMINATION OF ZOOSPORES OF PYTHIUM APHANIDERMATUM AND PYTHIUM MYRIOTYLUM. (ABSTRACT).
S M McCarter R H Littrell
Phytopathology 57(8):821
Aug 1967 464.8 P56
Culture media, Fungus diseases (plants), Plant physiology, Pythium aphanidermatum, Pythium myriotylum, Rye, Spore germination, Temperature, Tomatoes.

23144-68
SOIL FUMIGATION FOR CONTROL OF VERTICILLIUM WILT OF EGGPLANT.
C D McKeen W B Mountain
Can J Plant Sci 47(1):1-10 REF
Jan 1967 450 C16
Chemical control (nematodes), Chemical control (plant diseases), Eggplant, Fungicides, Fungus diseases (plants), Nematocides, Pratylenchus, Soil fumigation, Telone, Verticillium dahliae.

23145-68
THE ERYSIPHE CICHORACEARUM CONIDIUM. (ABSTRACT).
W E Mcykeen N Mitchell R Smith
Phytopathology 57(8):821
Aug 1967 464.8 P56
Erysiphe cichoracearum, Fungus diseases (plants), Plant histology.

23146-68
THE IMPROVEMENT OF THE POTATO WITH REGARD TO THE PRINCIPAL VIRUSES RESPONSIBLE FOR ITS DEGENERATION IN BELGIUM. (FR)
V Melard
Parasitica 24(2):48-54
1968 464.8 P21
Plant disease control, Plant disease resistance, Plant disease transmission, Potatoes, Virus diseases (plants), Virus s (potatoes), Virus x (potatoes), Virus y (potatoes).

23147-68
OVERWINTERING OF SPHAEROTHECA MORS-UVAE ON BLACK CURRANT AND GOOSEBERRY.
P R Merriman B E J Wheeler
Ann Appl Biol 61(3):387-397 REF
Jun 1968 442.8 AN72
Currants, Fungus diseases (plants), Gooseberries, Sphaerotheca mors-uvae.

23148-68
CERATOCYSTIS FAGACEARUM INDUCED TO FORM PRESSURE CUSHIONS IN VITRO. (ABSTRACT).
W L Mesner
Phytopathology 57(8):822
Aug 1967 464.8 P56
Ceratocystis fagacearum, Fungus diseases (plants), Quercus rubra, Wilt (quercus).

23149-68
SPORE DISPERSAL AND NATURAL INFECTION IN THE OAT LOOSE SMUT (USTILAGO AVENAE).
J T Mills
Brit Mycol Soc Trans 50(PT 3):403-412 REF
Sep 1967 451 B76
Air-borne plant diseases, Epidemiology, Loose smut (oats), Plant disease transmission, Spores, Ustilago avenae.

23150-68
OLPIDIUM BRASSICAE: ELECTROPHORETIC MOBILITY OF ZOOSPORES ASSOCIATED WITH THEIR ABILITY TO TRANSMIT TOBACCO NECROSIS VIRUS.
W P Mowat
Virology 34(3):565-568 REF
Mar 1968 448.8 V81
Electrophoresis, Necrosis, Olpidium brassicae, Tobacco, Virus diseases (plants), Zoospores.

23151-68
CONTROL OF STRAWBERRY POWDERY MILDEW.
A O Paulus V Voth F Shibuya H J Bowen A H Holland T M Little
Calif Agr 21(2):15-16
Feb 1967 100 C12CAG
Fungicides, Fungus diseases (plants), Plant protection, Powdery mildew (strawberries), Strawberries.

23152-68
FUNGICIDES FOR TOBACCO BLUE MOULD CONTROL.
W Pont R G O'Brien
Aust Tob Growers Bull (11):18-19
1967 69.8 AU72
Downy mildew (tobacco), Fungicides, Fungus diseases (plants), Plant protection, Tobacco.

23153-68
THE INCIDENCE OF VIRUS DISEASES IN ENGLISH SWEET CHERRY ORCHARDS AND THEIR EFFECT ON YIELD.
A F Posnette R Cropley A A J Swait
Ann Appl Biol 61(3):351-360 REF
Jun 1968 442.8 AN72
Crop yields, Mazzard cherries, Virus diseases (plants).

23154-68
REDUCED WINTER SURVIVAL AND YIELD OF CLOVER INFECTED WITH CLOVER YELLOW MOSAIC VIRUS.
M J Pratt
Can J Plant Sci 47(3):289-294
May 1967 450 C16
Clover, Virus diseases (plants), Yellow mosaic (clover).

23155-68
ARMILLARIA MELLEA, THE OAK ROOT FUNGUS.
R D Raabe A R Weinhold W D Wilbur
Calif Agr 21(4):12-14
Apr 1967 100 C12CAG
Armillaria mellea, Fungus diseases (plants), Quercus, Roots.

23156-68
VIRUS-HOST INTERACTIONS, WITH EMPHASIS ON CERTAIN CYTOPATHIC PHENOMENA.
H W J Ragetli
Can J Bot 45(8):1221-1234 REF
Aug 1967 470 C16C
Cytology, Electron microscopes, Phosphatases, Physiology, Virus diseases (plants).

23157-68
COMPATIBILITY STUDIES ON BACILLUS THURINGIENSIS BERLINAR WITH CHLORINATED HYDROCARBONS.
M R Rajasekharan R N Pillai N R Rao E Dharmaraju
Andhra Agr J 14(5):167-168
1967 34.2 AN4
Bacillus thuringiensis, Benzene hexachloride, Carbaryl, DDT, Endosulfan, Endrin, Isobenzan, Toxicology.

23158-68
HOST REACTIONS TO THREE STRAINS OF ASTER YELLOWS VIRUS FROM MANITOBA.
H P Richardson
Can J Bot 45(5):657-664 REF
May 1967 470 C16C
Aster yellows (celery), Celery, Parasitism, Virus diseases (plants).

23159-68
SOME EFFECTS OF INFECTION WITH YELLOWING VIRUSES AND OF FUNGICIDE APPLICATIONS ON BOLTING IN SUGAR BEET.
G E Russell
J Agr Sci &london& 68(PT 3):405-409 REF
Jun 1967 10 J822
Alternaria, Captan, Chemical control (plant diseases), Erysiphe, Fungicides, Sugar beets, Virus diseases (plants), Yellows (sugar beets).

23160-68
A NEW POLYPHENOLOXIDASE TEST FOR DISTINGUISHING BETWEEN WOOD-ROTTING FUNGI.
L Schanel
Biol Plant 9(1):41-48 REF
Jan 1967 450 B52
Catalogs, Diagnosis, Fungi, Phenolases, Plant biochemistry, Wood destroying fungi.

23161-68
CELL BIOLOGICAL ASPECTS OF HOST-PARASITE RELATIONS OF OBLIGATE FUNGAL PARASITES.
M Shaw
Can J Bot 45(8):1205-1220 REF
Aug 1967 470 C16C
Biology, Cells, Fungi, Fungus diseases (plants), Parasitism.

23162-68
THE SPREAD OF CEREAL RUSTS FROM SMALL FOCI OF INFECTION: DISEASE GRADIENT STUDIES ON PUCCINIA GRAMINIS.
R S Smith
Brit Mycol Soc Trans 50(PT 3):437-448 REF
Sep 1967 451 B76
Air-borne plant diseases, Fungus diseases (plants), Plant disease transmission, Puccinia graminis, Rust (grain), Spores, Wheat.

23163-68
MORPHOLOGY AND PATHOGENICITY OF CYLINDROCLADIUM FLORIDANUM AND C. SCOPARIUM. (ABSTRACT).
E K Sobers
Phytopathology 57(8):832
Aug 1967 464.8 P56
Cylindrocladium floridanum, Cylindrocladium scoparium, Eucalyptus, Fungus diseases (plants), Liriodendron tulipifera, Lupine, Plant morphology, Pteridophyta, Rhododendron, Shrubs.

23164-68
LEAFHOPPER TRANSMISSION OF A VIRUS DISEASE OF RICE LOCALLY KNOWN AS PADI JANTAN IN KRIAN, MALAYSIA.
L G Soon G K Guan
Malaysian Agr J 46(4):435-450 MAP REF
Jul 1968 22.5 F312
Insect vectors, Nephotettix, Plant disease transmission, Rice, Virus diseases (plants), Zoogeography.

23165-68
VIRUS-FREE POTATOES: A REALITY.
R Stace-Smith F C Mellor
Canada Agr 13(3,SUMMER):2,4,6
1968 7 R31
Crop losses, Plant disease control, Potatoes, Thermotherapy, Virus diseases (plants), Virus x (potatoes). Text also in French.

23166-68
BIS(P-CHLOROPHENYL)-3-PYRIDINEMETHANOL (EL-241): A NEW FUNGICIDE FOR THE CONTROL OF POWDERY MILDEW. (ABSTRACT).
P L Thayer D H Ford H R Hall
Phytopathology 57(8):833
Aug 1967 464.8 P56
Apples, Bis(p-chlorophenyl)-3-pyridenemethanol, Cantaloupes, Cucumbers, Erysiphe cichoracearum, Fungicides, Fungus diseases (plants), Grapes, Podosphaera leucotricha, Powdery mildew (plants), Rosa, Sphaerotheca pannosa, Squash, Uncinula necator.

23167-68
DISEASES OF STONE FRUITS--ARMILLARIA ROOT ROT AND APRICOT GUMMOSIS.
M Thomas
S Australia J Agr 70(10):362-365
May 1967 23 SO84
Armillaria mellea, Chemical control (plant diseases), Cultural control (plant diseases), Fruit, Fungus diseases (plants), Gummosis (apricots), Root rot.

The chemical and cultural control of two stone fruit fungus diseases, Armillaria root rot and apricot gummosis in Australia are discussed.

23168-68
DISEASES OF STONE FRUITS--CURL LEAF, SHOT-HOLE AND PRUNE RUST.
M Thomas
S Australia J Agr 70(7):224-231

Feb 1967 23 SO84
Bacterial diseases (plants), Catalogs, Diagnosis, Fruit, Fungus diseases (plants).

23169-68
SOIL-BORNE VIRUS DISEASES OF POTATOES.
J M Todd
Seed Potato 8(1,SPRING):164-170 REF
1968 75.8 SE3
Diagnosis, Geography, Plant disease control, Plant protection, Potatoes, Soil-borne plant diseases, Virus diseases (plants).

23170-68
LABORATORY EVALUATION OF FUNGICIDES FOR THE CONTROL OF TWO FUNGI ASSOCIATED WITH SPEAR ROT IN OIL PALMS.
P D Turner
Malaysian Agr J 46(4):451-457
Jul 1968 22.5 F312
African oilpalm, Fungicides, Fungus diseases (plants), Fusarium oxysporum, Fusarium solani.

23171-68
EVALUATION OF FOLIAR SPRAYS FOR CONTROL OF WEATHER FLECK ON FLUE-CURED TOBACCO.
E K Walker
Can J Plant Sci 47(1):99-108 REF
Jan 1967 450 C16
Chemical control (plant diseases), Dichlone, Flue-cured tobacco, Phenothiazine, Spraying, Tobacco, Weather fleck (tobacco).

23172-68
ALPHA-CYCLOHEXYL-ALPHA-PHENYL-3-PYRIDINEMETHANOL (EL-331): A NEW FUNGICIDE FOR THE CONTROL OF CERTAIN TURF PATHOGENS. (ABSTRACT).
J W Whaley J R Miller W L Wright
Phytopathology 57(8):836
Aug 1967 464.8 P56
Brown patch (grasses), Cyclohexyl-alpha-phenyl-3-pyridinemethanol hydrochloride, d, Fungicides, Fungus diseases (plants), Grasses, Helminthosporium, Leaf spot, Poa.

23173-68
DELAYED ACQUISITION OF VIRUS INFECTIVITY. (ABSTRACT).
C E Yarwood
Phytopathology 57(8):837
Aug 1967 464.8 P56
Cowpeas, Mosaic (cowpeas), Mosaic (sugar beets), Plant disease resistance, Sugar beets, Virus diseases (plants). Cucumber mosaic virus used in transmission from sugar beets to cowpeas.

ARTHROPODS

23174-68
FACTS ABOUT FRUIT FLY.
S Australia J Agr 70(8):299
Mar 1967 23 SO84
Fruit, Insect control, Insect traps, Inspection (agricultural products), Plant quarantine, Tephritidae.

The effectiveness of fruit fly control in South Australia is attributed to the rapid response to initial outbreaks, border checks and use of insect traps.

23175-68
COMPARISON BETWEEN HEPTACHLOR POWDER AND OTHER CHLORINATED HYDROCARBONS TO COMBAT THE ANTS ATTA SEXDENS RUBROPILOSA FOREL 1908 AND ATTA LAEVIGATA (F. SMITH, 1858). (POR)
E Amante
Biologico 33(4):80-84 REF
Apr 1967 442.8 B529
Aldrin, Atta, Chemical control (insects), Chlordane, Heptachlor, Pastures. English abstract

23176-68
AN ANT ATTA CAPIGUARA, PLAGUE OF PASTURES. (POR)
E Amante
Biologico 33(6):113-120
Jun 1967 442.8 B529
Atta, Chemical control (insects), Insect ecology, Pastures, Zoogeography.

23177-68
OVERSEAS EXPERTS ARE WORKING AT LINCOLN,NEW ZEALAND, ON INSECTICIDE RESISTANCE IN MITES.
Anonymous
Fruit World Market Grower 69(4):44
Apr 1968 80 F948
Insect pests, Insecticide resistant insects, Mites, Plant protection. From The Orchardist of New Zealand

23178-68
EFFECTS OF THREE SPECIES OF APHIDS ON BARLEY, WHEAT OR OATS AT VARIOUS STAGES OF PLANT GROWTH.
J U Apablaza A G Robinson
Can J Plant Sci 47(4):367-373
Jul 1967 450 C16
Barley, Macrosiphum avenae, Oats, Plant physiology, Rhopalosiphum maidis, Schizaphis graminum, Wheat.

23179-68
WOODPECKER FEEDING ON ENGELMANN SPRUCE BEETLE IN WINDTHROWN TREES.
P H Baldwin
U S Forest Serv Res Notes RM 105:1-4
1968 A99.9 F7632US
Dendroctonus obesus, Equipment, Feeding, Predatory birds, Research, Trees, Woodpeckers.

23180-68
THE DAMAGING OCCURRENCE OF ARADUS CINNAMOMEOUS PANZ. IN SWEDEN. (GE)
L Brammanis
Anz Schadlingskunde 41(2):17-19 REF
Feb 1968 421 AN9
Aerial spraying, Aradidae, Aradus cinnamomeus, Benzene hexachloride, Biochemistry, Chemical control (insects), DDT, Insect morphology, Insect pests, Pinus sylvestris.

23181-68
THE EFFECT OF APHIDS ON SEED AND WARE CROPS.
P W Carden
Seed Potato 7(2,SUMMER):47,48-67
1967 75.8 SE3
Aphididae, Chemical control (insects), Crop yields, Insecticides, Potatoes, Seed treatment, Spraying.

23182-68
EFFECT OF APPLICATION RATES OF DISULFOTON AND PHORATE, AND OF IRRIGATION ON APHID CONTROL AND RESIDUES IN CANNING PEAS.
D Chisholm H B Specht
Can J Plant Sci 47(2):175-180 REF
Mar 1967 450 C16
Acyrthosiphon pisum, Chemical control (insects), Disulfoton, Insecticide residues, Irrigation, Peas, Phorate.

23183-68
A BACTERIAL INSECTICIDE.
Aust Tob Growers Bull (11):11-13
1967 69.8 AU72
Bacteria, Insect pests, Insecticides, Plant protection, Tobacco.

23184-68
TWO-SPOTTED SPIDER MITE AND HOP APHID CONTROL ON CLUSTER HOPS WITH ACARICIDES.
W W Cone
J Econ Entomol 61(6):1685-1689
16 Dec 1968 421 J822
Acaricides, Chemical control (insects), Hops, Phorodon humuli, Tetranychus urticae.

23185-68
CITRUS FLAT MITE INJURY PATTERNS ON SOME CITRUS VARIETIES.
H S Elmer
J Econ Entomol 61(6):1689-1692
16 Dec 1968 421 J822
Brevipalpus lewisi, Citrus, Feeding, Fruit, Plant injuries.

23186-68
A REPRODUCTIVE-DIAPAUSE CONTROL PROGRAM FOR THE BOLL WEEVIL IN THE PRESIDIO, TEXAS-OJINAGA, CHIHUAHUA AREA, 1965-67.
R E Fye C L Cole F C Tingle A Stoner D F Martin L F Curl
J Econ Entomol 61(6):1660-1666 REF MAP
16 Dec 1968 421 J822
Anthonomus grandis, Azinphosmethyl, Chemical control (insects), Cotton, Malathion, Spraying.

23187-68
THE DECAY OF CITRUS FRUITS CAUSED BY FUSARIUM LATERITIUM NEES (GIBBERELLA BACCATA (WALLR.) SACC.). (IT)
P Gambogi
Pisa Univ Ist Patol Veg Microbiol Agr Tec (mem) (499,MAR-APR):81-83
1967 464.9 P67
Citrus, Color, Diagnosis, Fusarium lateritium, Parasitic insects, Tree diseases. English summary

23188-68
RESIDUAL ACTIVITY OF CHLORINATED HYDROCARBON INSECTICIDES IN PERMANENT TURF FOR EUROPEAN CHAFER CONTROL.
F L Gambrell H Tashiro G L Mack
J Econ Entomol 61(6):1508-1511
16 Dec 1968 421 J822
Aldrin, Amphimallon majalis, Chemical control (pests), Chlordane, Chlorinated hydrocarbons, Dieldrin, DDT, Grubs, Heptachlor, Insecticides, Lindane, Soil sanitation, Turf.

23189-68
STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BEETLE. I. THE SPREADING AND COLLAPSE OF OUTBREAKS.
R I Gara
Boyce Thompson Inst Contrib 23(10,APR-JUN):349-354
Jun 1967 451 B69
Attractants, Dendroctonus frontalis, Insect outbreaks, Pinus taeda.

23190-68
EFFECTS OF PHLOEM TEMPERATURE AND MOISTURE CONTENT ON DEVELOPMENT OF THE SOUTHERN PINE BEETLE.
G C Gaumer R I Gara
Boyce Thompson Inst Contrib 23(11,JUL-SEP):373-377 REF
Sep 1967 451 B69
Dendroctonus frontalis, Humidity, Insect rearing, Phloem, Pinus taeda, Temperature.

23191-68
EFFECTS OF PHLOEM TEMPERATURE AND MOISTURE CONTENT ON DEVELOPMENT OF THE SOUTHERN PINE BEETLE.
G C Gaumer R I Eara
Boyce Thompson Inst Contrib 23(11,JUL-SEP):373-377 REF
Sep 1967 451 B69
Dendroctonus frontalis, Humidity, Insect physiology, Phloem, Pinus taeda, Plant physiology, Temperature.

23192-68
THE EFFECTIVNESS OF THE POLYHEDROSIS VIRUS FOR CONTROL OF THE CABBAGE LOOPER, TRICHOPLUSIA NI.
L W Getzin
J Econ Entomol 55(4):442-445

Aug 1962 421 J822
Biological control (insects), Insect control, Insect diseases, Larvae, Polyhedroses, Trichoplusia ni, Viruses.

23193-68
EXPERIENCES WITH THE USE OF THE PHOSPHORUS-HYDROGEN PREPARATION PHOSTOXIN IN YUGOSLAVIA. (GE)
B K Ilic
Anz Schadlingskunde 49(7):97-103 REF
Jul 1967 421 AN9
Biochemistry, Chemical control (insects), Dosage, Experimental insects, Fumigation, Grain, Insect pests, Mortality, Phosphine, Phosphorus compounds, Storage injuries. English summary.

23194-68
RESPONSES OF THE PACIFIC SPIDER MITE AND THE CITRUS RED MITE TO LABORATORY FIELD APPLICATIONS OF TRICYCLOHEXYL TIN HYDROXIDE.
L R Jeppson M J Jesser J O Complin
J Econ Entomol 61(6):1502-1505
16 Dec 1968 421 J822
Chemical control (insects), Lemons, Panonychus citri, Plant injuries, Spraying, Tetranychus pacificus, Tricyclohexyltin hydroxide.

23195-68
FIELD TESTS OF SYSTEMIC INSECTICIDES FOR THE CONTROL OF SITKA-SPRUCE WEEVIL.
N E Johnson J G Zingg
J Econ Entomol 61(6):1650-1652
16 Dec 1968 421 J822
Chemical control (insects), Demeton, Hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate, 3 i, Organophosphorus compounds, Oxydemetonmethyl, Picea sitchensis, Pissodes sitchensis, Schradan.

23196-68
FIELD TESTING CANDIDATE INSECTICIDES ON RADISH, CABBAGE, AND CAULIFLOWER FOR CONTROL OF THE CABBAGE MAGGOT IN NEW YORK STATE.
F D Judge H B Rinick F L McEwen
J Econ Entomol 61(6):1572-1577 REF
12 Dec 1968 421 J822
Cabbage, Cauliflower, Chemical control (insects), Hylemya brassicae, Insecticides, Radishes, Soil sanitation.

23197-68
MATERIALS ON DESTRUCTIVE INSECTS OF PINUS PITHIUSA STEV. IN PITZUNDA (GEORGIAN SOVIET SOCIALIST REPUBLIC). (GE)
D N Kobachidze A L Muchaschawria Sch M Ssupataschwili
Anz Schadlingskunde 40(12):182-184
Dec 1967 421 AN9
Insect ecology, Insect names, Insect pests, Pinus.

23198-68
THE IMPACT OF INSECTS ON SECOND-YEAR CONE CROPS IN RED PINE SEED-PRODUCTION AREAS.
W J Mattson
U S Forest Serv Res Note N C 53:1-2
1968 ASD11.A33
Cones, Forest seed production, Insect control, Pinus resinosa, Plant injuries, Surveys.

23199-68
GRASSGRUB PROBLEM AWAITS SOLUTION.
G McLauchlan
New Zeal J Agr 115(4):17-19
Oct 1967 23 N48J
Chemical control (insects), DDT, Pasture management, Plant pest control, Scarabaeidae.
Chemical, biological, cultural and management control of grass grubs are discussed.

23200-68
WHITE-PINE WEEVIL CONTROL IN PLANTATIONS WITH HEPTACHLOR GRANULES.
J O Nichols
J Econ Entomol 61(6):1543-1546 REF
16 Dec 1968 421 J822
Chemical control (insects), Heptachlor, Pinus strobus, Pissodes strobi.

23201-68
FIELD TESTS WITH IN-FURROW AND SEED TREATMENTS OF SYSTEMIC INSECTICIDES ON COTTON AT STONEVILLE, MISSISSIPPI.
T R Pfrimmer
J Econ Entomol 61(6):1607-1612
16 Dec 1968 421 J822
Anthonomus grandis, Beneficial insects, Chemical control (insects), Cotton, Crop yields, Frankliniella fusca, Heliothis virescens, Heliothis zea, Insecticides, Seed treatment, Soil sanitation, Stand density.

23202-68
CONTROL OF PINYON NEEDLE SCALE WITH DIMETHOATE.
D A Pierce W F McCambridge G E Moore
J Econ Entomol 61(6):1697-1698
16 Dec 1968 421 J822
Chemical control (insects), Dimethoate, Emulsions, Insect eggs, Matsucoccus acalyptus, Pinus edulis, Spraying, Surface-active agents, Time.

23203-68
YET ANOTHER APHID TO RAVAGE OUR GRAIN CROPS.
S G Rajasingh
Indian Farming 18(3):20-21
Jun 1968 22 IN283
Aphididae, Grain, Hysteroneura setariae, Insect pests.

23204-68
THE INFLUENCE OF INFESTATION BY EARLY SHOOT BORER CHILOTRAEA INFUSCATELLUS SN. ON SHOOT PRODUCTION AND YIELD OF SUGARCANE.
C S Rao
Andhra Agr J 14(5):131-142 REF
1967 34.2 AN4
Benzene hexachloride, Chemical control (insects), DDT, Insect control, Plant physiology, Pyralidae, Sugarcane.

23205-68
STUDIES ON THE SOWING DATE OF COTTON IN THE SUDAN GEZIRA. II. THE RELATIONSHIP BETWEEN SOWING DATE OF COTTON AND THE INCIDENCE OF INSECT PESTS.
L R Schultz J E Jackson R C Faulkner
J Agr Sci &london& 69(PT 3):317-327
Dec 1967 10 J822
Bemisia tabaci, Chemical control (insects), Chrysomelidae, Cotton, Cultural control (insects), Homoptera, Seed planting, Time.

23206-68
BIONOMICS AND DISTRIBUTION OF THE POPPY-HEAD GALL MIDGE CLINODIPLOSIS PAPAVERIS (KJELL.) (DIPTERA, ITONIDIDAE). (GE
V Skuhravy M Skuhrava
Acta Ent Bohemoslov 59(3):221-233 MAP
1962 420 C33
Clinodiplosis papaveris, Insect ecology, Insect pests, Papaver dubium, Papaver orientale, Papaver rhoeas, Papaver somniferum, Plant injuries, Zoogeography.

23207-68
EFFECTS OF BALSAM WOOLLY APHID (ADELGES PICEAE) INFESTATION ON CAMBIAL ACTIVITY IN ABIES GRANDIS.
F H Smith
Amer J Bot 54(10,NOV-DEC):1215-1223 REF
Dec 1967 450 AM36
Abies grandis, Adelges piceae, Cambium, Plant physiology.

23208-68
A VIRUS DISEASE OF RHUBARB IN BRITISH COLUMBIA.
R Stace-Smith G G Jacoli
Can J Bot 45(7):1059-1061
Jul 1967 470 C16C
Mosaic (turnips), Myzus persicae, Rhubarb, Virus diseases (plants).

23209-68
FIELD TESTS OF ACARICIDES AGAINST PACIFIC SPIDER MITE ON GRAPEVINES.
E M Stafford
J Econ Entomol 61(6):1641-1645 REF
16 Dec 1968 421 J822
Acaricides, Chemical control (insects), Grape vineyards, Organophosphorus compounds, Tetranychus pacificus.

23210-68
PESTS AND DISEASES THREATENING OUR CHERRIES.
J N Steed
S Australia J Agr 70(6):202-208
Jan 1967 23 SO84
Chemical control (pests), Cherries, DDT, Myzus cerasi, Plant diseases, Slugs, Tetranychus urticae.

23211-68
POPULATION DENSITIES OF THE EUROPEAN RED MITE AND THE PREDACEOUS MITE TYPHLODROMUS (A.) FALLACIS ON APPLE FOLIAGE FOLLOWING TREATMENT WITH VARIOUS INSECTICIDES.
F C Swift
J Econ Entomol 61(6):1489-1491
16 Dec 1968 421 J822
Apples, Insecticides, Integrated control (insects), Panonychus ulmi, Population, Predaceous insects, Typhlodromus fallacis.

23212-68
STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BEETLE. IV. INFLUENCE OF HOST CONDITION ON AGGREGATION PATTERN.
J P Vite R G Crozier
Boyce Thompson Inst Contrib 24(4,JUL-SEP):87-93
Sep 1968 451 B69
Dendroctonus frontalis, Food habits, Insect outbreaks, Pinus taeda, Plant physiology.

23213-68
EUROPEAN PINE SAWFLY CONTROL WITH AIRCRAFT APPLICATION OF CONCENTRATE INSECTICIDAL SPRAYS.
W E Wallner
J Econ Entomol 61(6):1666-1667
16 Dec 1968 421 J822
Aerial spraying, Chemical control (insects), Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate, O,O i, Isopropoxyphenyl methylcarbamate, o-, Malathion, Neodiprion sertifer, Oxydemetonmethyl, Pinus sylvestris.

23214-68
THIMET (PHORATE) APPLICATIONS.
R G Wasser
Tree Planters' Notes 19(4,WINTER):4-6
1969 1.962 C5T71
Insect pests, Insecticides, Pesticide application, Phorate, Trees.

NEMATODES

23215-68
A REVISION OF THE GENUS ROTYLENCHULUS LINFORD AND OLIVEIRA, 1944 (NEMATODA: TYLENCHIDAE).
D R Dasgupta D J Raski S A Sher
Helminthol Soc Wash Proc 35(2):169-192 REF
Jul 1968 436.9 H36
Parasitism, Plant nematodes, Rotylenchulus, Taxonomy, Tylenchidae.

23216-68
EXTRACTION, STANDARDIZATION AND ASSESSMENT OF THE VOLATILITY OF THE SEX ATTRACTANTS OF HETERODERA ROSTOCHIENSIS WOLL. AND H. SCHACHTII SCHM.
D N Greet C D Green M E Poulton

Ann Appl Biol 61(3):511-519
Jun 1968 442.8 AN72
Heterodera rostochiensis, Heterodera schaehtii, Nematodes, Plant extracts, Potatoes, Sex attractants, Sugar beets, Volatile substanees.

23217-68
RUBY...A NEWLY-RELEASED, NEMATODE-RESISTANT SWEET POTATO VARIETY.
G C Hanna R W Scheuerman G A Jr. Marlowe
Calif Agr 21(4):5
Apr 1967 100 C12CAG
Nematodes, Plant nematode resistanee, Sweet-potatoes.

23218-68
THE FEASIBILITY OF USING PLANT PATHOGENIC NEMATODES PRODUCED IN MONOXENIC CULTURE FOR NEMATOCIDE SCREENING. (ABSTRACT).
W F Mai B Thistlethwayte
Phytopathology 57(8):820
Aug 1967 464.8 P56
Alfalfa, Culture media, Ditylenchus dipsaci, Nematocides, Onions, Plant nematodes, Pratylenchus penetrans.

23219-68
PARASITIC DEVELOPMENT OF FILIPJEVIMERMIS LEIPSANDRA POINAR AND WELCH (MERMITHIDAE) IN DIABROTICA U. UNDECIMPUNCTATA (CHRYSOMELIDAE).
G O Jr. Poinar
Helminthol Soc Wash Proc 35(2):161-169 REF
Jul 1968 436.9 H36
Chrysomelidae, Corn, Diabrotiea undecimpunctata, Filipjevimermis leipsandra, Mermithidae, Nematodes, Parasitism.

23220-68
GROWTH SUBSTANCES IN ROOTS OF TOMATO (LYCOPERSICON ESCULENTUM MILL.) INFECTED WITH ROOT-KNOT NEMATODES (MELOIDOGYNE SPP.).
K G H Setty A W Wheeler
Ann Appl Biol 61(3):495-501 REF
Jun 1968 442.8 AN72
Biochemistry, Meloidogyne, Nematodes, Plant regulators, Roots, Tomatoes.

23221-68
REVISION OF THE GENUS RADOPHOLUS THORNE, 1949 (NEMATODA: TYLENCHOIDEA).
S A Sher
Helminthol Soc Wash Proc 35(2):219-237 REF
Jul 1968 436.9 H36
Nomenelature, Parasitism, Plant nematodes, Radopholus, Taxonomy.

23222-68
FIVE NEW SPECIES OF BELONDIROIDEA (NEMATODA) FROM SIBSAGAR, INDIA, WITH A REVISED CLASSIFICATION OF THE SUPERFAMILY.
M R Siddiqi
Helminthol Soc Wash Proc 35(2):248-258 REF
Jul 1968 436.9 H36
Belondiroidea, Plant nematodes, Taxonomy.

23223-68
RELATIONSHIP BETWEEN SAMPLE SIZE AND EMERGENCE OF PRATYLENCHUS FROM ROOTS. (ABSTRACT).
D H Wall R A Chapman
Phytopathology 57(8):834-835
Aug 1967 464.8 P56
Plant nematodes, Pratylenchus penetrans, Red clover, Roots, Sampling (statisties).

WEEDS

23224-68
PRELIMINARY STUDIES WITH GRASS CARP FOR AQUATIC WEED CONTROL.
J W Avault
Progr Fish-cult 27(4):207-209 REF
Oct 1965 157.5 P94
Aquatie weeds, Biological control (weeds), Fish.

23225-68
SAFFRON THISTLE CONTROL IN CEREALS.
T R Davidson
S Australia J Agr 70(5):162-166
Dec 1966 23 SO84
Chemieal control (weeds), Croeus sativus, D, 2,4-, Grain, Legumes, Linuron, Mowing, Weed control.

Mowing, crop rotation with legumes and spraying with 2,4-D and Linuron are suggested measures for the control of saffron thistle weed in Australian grain fields.

23226-68
EFFECT OF 2,4-DICHLOROPHENOXACETIC ACID ON OXIDATIVE PHOSPHORYLATION IN VARIOUS PLANTS.
N M Eidel'nant A K Demurina
Biokhimiya 33(1,PT 1,JAN-FEB):63-67 REF
Feb 1968 385 B523
Adenosine triphosphates, Cotton, D, 2,4-, Phosphorylation, Plant bioehemistry, Plant physiology, Synthesis. Russian journal- vol. 33(1):77-82, Jan-Feb, 1968

23227-68
THE EFFECTS OF APPLYING PARAQUAT, ATRAZINE AND SIMAZINE FOR WEED CONTROL IN RASPBERRIES IN COASTAL BRITISH COLUMBIA.
J A Freeman
Can J Plant Sci 47(1):25-31 REF
Jan 1967 450 C16
Atrazine, Chemical eontrol (weeds), Paraquat, Raspberries, Simazine, Weed eontrol.

23228-68
NEMATODE ORIENTATION MECHANISMS. I. A METHOD FOR DETERMINATION. (ABSTRACT).
I K A Ibrahim J P Hollis
Phytopathology 57(8):816
Aug 1967 464.8 P56
Nematodes, Salts, Tropism, Tylenehorhynehus martini.

23229-68
CONTROL OF AQUATIC PLANTS IN FARM PONDS IN ONTARIO.
M G Johnson
Progr Fish-cult 27(1):23-30
Jan 1965 157.5 P94
Aquatic plants, Farm ponds, Herbicides, Weed eontrol.

23230-68
IDENTIFY PLANTS AND HELP WEED PREVENTION.
R M Kain
S Australia J Agr 70(12):429-433
Jul 1967 23 SO84
Diagnosis, Surveys, Weed control, Weeds.

23231-68
INFLUENCE OF TEMPERATURE ON PHYTOTOXICITY OF TRIAZINE HERBICIDES TO PINE SEEDLINGS.
T T Kozlowski S Sasaki J H Torrie
Amer J Bot 54(6):790-796 REF
Jul 1967 450 AM36
Herbieides, Phytotoxieity, Pinus resinosa, Plant physiology, Seedlings, Simazine, Temperature, Toxieology.

23232-68
TILAPIA MOSSAMBICA AS A FISH FOR AQUATIC WEED CONTROL.
C W Lahser
Progr Fish-cult 29(1):48-50 REF
Jan 1967 157.5 P94
Aquatic weeds, Biologieal control (weeds), Fish.

23233-68
A NEW TOOL FOR KILLING UNWANTED TREES.
W P MaeConnell L F Whitney A J Costa
J Forest 66(6):486-487
Jun 1968 99.8 F768
Economics, Forest management, Herbieides, Thinning (trees).

23234-68
CONTROL OF WEEDS IN BRASSICAS.
F A Meeklah
New Zeal J Agr 115(5):68-69,71
Nov 1967 23 N48J
Brassica, Chemical control (weeds), Dieamba, Herbieides, Picloram.

Use of picloram, dieamba and other herbicides for control of weeds in Brassica erops is discussed.

23235-68
APPRAISAL OF WATER HYACINTH CONTROL WITH 2,4-D SPRAYED FROM HELICOPTERS.
C T Menn
Progr Fish-cult 27(4):228-229
Oct 1965 157.5 P94
Aquatic plants, D, 2,4-, Eichhornia, Helieopters, Spraying, Weed control.

23236-68
CONTROLLING UPLAND SOUTHERN HARDWOODS BY INJECTING UNDILUTED 2,4-D AMINE.
F A Peevy
J Forest 66(6):483-487
Jun 1968 99.8 F768
D, 2,4-, Economics, Forest management, Hardwoods, Herbieides, Thinning (trees).

Abstraet

23237-68
GRASS CARP FOR WEED CONTROL.
F T K Pentelow B Stott
Progr Fish-cult 27(4):210
Oct 1965 157.5 P94
Anaeharis canadensis, Aquatie weeds, Biologieal eontrol (weeds), Fish.

23238-68
REVERSE A PROVERB WHEN SPRAYING WEEDS IN WHEAT.
R J Riddell
New Zeal J Agr 115(4):20-21
Oct 1967 23 N48J
Chemical control (weeds), Crop yields, Spraying, Weed control, Wheat, 2,4-d.

Damage to wheat erops by spraying herbieides too late in the season is discussed.

23239-68
WEED CONTROL IN POTATOES.
C Sephton
Seed Potato 8(1,SPRING):162-163
1968 75.8 SE3
Chemical eontrol (weeds), Potatoes, Researeh, Spraying.

23240-68
ON THE USE OF CHEMICALS AS WEEDICIDES IN SUGARCANE FIELDS.
R P Singh
Indian Sugar 18(5):377-378
Aug 1968 65.8 IN26
Chemieals, Researeh, Sugareane, Weed control, Weeds.

OTHER PESTS

23241-68
THE EFFECT OF GRAMOXONE (N,N-DIMETHYL-P,P-DIPYRIDILIUM SALT) ON THE VARIOUS DEVELOPMENTAL STAGES OF B. GLABRATA. (POR
T Camey E Paulini C P de Souza
Rev Brasil Malar Doencas Trop 18(2):235-245
Apr 1966 448.8 R3283
Eggs, Larvae, Molluscacides, Mortality, Paraquat, Snails. English and portuguese summaries

Abstraet

23242-68
PENICILLIUM MYCELIUM WASTE AS PROTEIN SUPPLEMENT IN ANIMALS.
V M Doctor L Kerur
Appl Microbiol 16(11):1723-1726 REF
Nov 1968 448.3 AP5
Amino acids, Animals, Diet, Peanut meal, Penicillium, Proteins, Rats.

LIVESTOCK PROTECTION

23243-68
2-PHENYL-3-TERTIARY-AMINOALKOXY PHENYL- AND CORRESPONDING TERTIARYAMINOALKYL THIO BENZOFURANS SUBSTITUTED IN THE BENZO NUCLEUS WITH AN ALKOXY OR TERTIARYAMINO ALKOXY OR ALKYLTHIO GROUP. PATENT 3,394,125.
R R Crenshaw
Us Patent Office Offic Gaz 852(4):963
23 Jul 1968 156.65 OF2
Animals, Benzofuran, Patents, Sterility.

23244-68
AVOID DIPPING LOSSES.
J T Fearn
S Australia J Agr 72(2):70-74
Sep 1968 23 SO84
Agricultural legislation, Antiseptics, Dipping, Equipment, Poisoning, Sheep, Weather.

23245-68
CONTROL AND ERADICATION OF SHEEP LICE AND KED.
J T Fearn
S Australia J Agr 71(12):426-431
Jul 1968 23 SO84
Anoplura, Chemicals, Dipping, Insecticides, Melophagus ovinus, Sheep.

23246-68
THE EFFECTS OF A LOW-DOSAGE APPLICATION OF ANTIMYCIN A ON SEVERAL SPECIES OF FISH IN CRATER POND, AROOSTOOK COUNTY, MAINE.
R E Foye
Progr Fish-cult 30(4):216-219
Oct 1968 157.5 P94
Antimycin a, Fish, Ponds, Research, Wildlife management.

23247-68
THE TOXICITY OF PRO-NOXFISH TO SALMONID EGGS AND FRY.
R L Garrison
Progr Fish-cult 30(1):35-38
Jan 1968 157.5 P94
Eggs, Research, Rotenone, Salmon, Sulfoxide, Tables (data).

23248-68
BRUCELLOSIS OF THE GOAT. (FR)
P Goret B Toma
Tech Laitiere 600:10-14
01 Aug 1968 44.8 OF2
Brucellosis, Diagnosis, Goats, Legislation, Research.

23249-68
TISSUE RESIDUE AND ORAL SAFETY OF FURAZOLIDONE IN FOUR SPECIES OF TROUT.
L H Heaton G Post
Progr Fish-cult 30(4):208-215
Oct 1968 157.5 P94
Aeromonas salmonicida, Drugs, Fishery products, Food contamination, Furazolidone, Mortality, Taste testing, Tissues, Trout.

23250-68
EXPERIMENTAL USE OF CHLORDANE IN FISHERY MANAGEMENT.
S K Konar
Progr Fish-cult 30(2):96-99
Apr 1968 157.5 P94
Chlordane, Diet, Fisheries, Laboratories, Research, Tables (data).

23251-68
ISOBORNYL THIOCYANOACETATE AS A FISH DRUGGING AGENT AND SELECTIVE TOXIN.
W M Lewis
Progr Fish-cult 30(1):29-31
Jan 1968 157.5 P94
Aquariums, Fish, Mortality, Research, Tables (data), Thanite, Toxins.

23252-68
CHEMICAL CONTROL OF UNWANTED TIMBER.
P D McKinnon
Queensland Agr J 94(9):581-582
Sep 1968 23 Q33
Chemicals, Dairy industry, Spraying, Timber, Timber management.

23253-68
PINK EYE, A COMMON DISEASE OF SHEEP.
R D Oakes B N O'Sullivan
Queensland Agr J 94(9):532-533
Sep 1968 23 Q33
Antibiotics, Diagnosis, Drug therapy, Infectious keratitis, Sheep.

23254-68
THE GROWTH, IN VITRO, OF ISOLATED APPLE SHOOTS FROM YOUNG SEEDLINGS ON MEDIA CONTAINING GROWTH REGULATORS.
J Pieniazek
Polska Akad Nauk Bull Ser Sci Biol 16(3):179-183 REF
1968 512 W262
Apples, Biochemistry, Biological assay, Culture media, Plant physiology, Plant regulators, Seedlings.

23255-68
LIVER FLUKE.
J G Ross
Agr North Ireland 43(5):155-157
Sep 1968 256.13 AG82M
Agricultural outlook, Cattle, Drugs, Environment, Fasciola hepatica, Research, Sheep, Snails.

23256-68
THE USE OF ROTENONE FOR RECOVERY OF LIVE FISH.
B Tate T Moen B I Severson
Progr Fish-cult 27(3):158-160
Jul 1965 157.5 P94
Equipment, Fish, Fish culture, Rotenone.

23257-68
PROGRAM OF THE 1967 ANNUAL WILDLIFE DISEASE CONFERENCE, JUNE 15-17, 1967, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS.
Wildlife Dis Ass Bull 3(2):81-95
Apr 1967 41.9 W64B
Reports, Wildlife, Wildlife diseases.

23258-68
ST. LOUIS ENCEPHALITIS VIRUS IN MCLEANSBORO, ILLINOIS, 1964-1966.
R L Will
Wildlife Dis Ass Bull 3(2):94
Apr 1967 41.9 W64B
Birds, Encephalitis, Virus diseases (animals), Wildlife diseases, Zoonoses. Abstract of 1967 Annual Wildlife Disease Conference

23259-68
SEROLOGY OF NEW MEXICO JAVELINA (PECCARI ANGULATUS) FOR EVIDENCE OF SOME ZOONOTIC INFECTIONS.
G T Woods B R Donalds W A Snyder L E Hanson
Wildlife Dis Ass Bull 4(4):139
Oct 1968 41.9 W64B
Agglutination, Serological tests, Wildlife diseases, Zoonoses.

DISEASES

23260-68
NOT EASY TO DIAGNOSE VIBRIO.
Canad Cattlemen 31(9):24
Sep 1968 49 C16
Cattle, Diagnosis, Livestock diseases, Sterility, Vibriosis.

23261-68
FURTHER STUDIES ON THE DURATION OF THE IMMUNITY PRODUCED IN GOATS BY THE REV. I BRUCELLA MELITENSIS VACCINE.
G G Alton
J Comp Pathol 78(2):173-178
Apr 1968 41.8 J82
Bacterial vaccines, Brucella melitensis, Goats, Immunization.

23262-68
ACUTE DEGENERATION AND NECROSIS OF LONGISSIMUS MUSCLE IN PIGS. (GR)
K Bickhardt H-j Chevalier
Deut Tierarztl Wochensch 75(8):198-199
15 Apr 1968 41.8 D482
Animal diseases, Diagnosis, Muscles, Necrosis, Swine. English summary

23263-68
THE MORPHOLOGY OF THE CHALLENGE IN CERTAIN ORGANS OF PIGS VACCINATED AND REVACCINATED WITH KVV AGAINST HOG CHLOERA. (CZ
J Bogdan
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(10):565-572 REF
Oct 1967 41.9 C333
Animal physiology, Histology, Hog cholera vaccines, Immunization, Swine. English, German, and Russian abstracts

23264-68
YERSINIA ENTEROCOLITICA AND YERSINIA-LIKE ORGANISMS ISOLATED FROM FROGS AND SNAILS.
R G Botzler T F Wetzler A B Cowan
Wildlife Dis Ass Bull 4(4):110-115 REF
Oct 1968 41.9 W64B
Bacteria, Frogs, Snails, Wildlife diseases.

23265-68
AVIAN LEUCOSES: 1966-1967. (FR)
A Brion
Rec Med Vet 144(8):735-741
1968 41.8 R24
Avian leukosis complex viruses, Cytopathology, Immunity, Rous sarcoma virus, Serological tests. English and spanish abstracts

23266-68
IS THE OCCURRENCE OF THE SNIFFING DISEASE (ATROPHIC RHINITIS) IN THE PIG A NUTRITIONAL PROBLEM . (GE)
W R Brown L Krook W G Pond
Tierzuchter 20(15):546-547
05 Aug 1968 49 T445
Animal nutrition, Antibiotics, Atrophic rhinitis, Calcium, Livestock diseases, Phosphorus, Radiography, Swine.

23267-68
BLOOD AND PLASMA VOLUMES IN SHEEP INFECTED WITH TRYPANOSOMA VIVAX.
M J Clarkson
J Comp Pathol 78(2):189-193 REF
Apr 1968 41.8 J82
Blood, Blood plasma, Sheep, Trypanosoma vivax.

23268-68
IMMUNOCHEMICAL STUDIES OF FOOT-AND-MOUTH DISEASE. III. ACRIDINE ORANGE STAINING OF AGAR GEL PRECIPITIN REACTIONS.
K M Cowan J H Graves
Virology 34(3):544-548 REF
Mar 1968 448.8 V81

Acridine orange, Agar, Animal diseases, Foot-and-mouth disease, Gels, Immunochemistry, Precipitin test, Research.

23269-68
ESCHERICHIA COLI SEPTICEMIA IN PHEASANTS.
J R Creitz N N Small
Wildlife Dis Ass Bull 3(2):68-69
Apr 1967 41.9 W64B
Bacteria, Escherichia coli, Pheasants, Wildlife diseases.

23270-68
THE HYPOTHESIS OF THE UNIQUE PARTICLE. (FR)
G Dannacher M Fedida J Perraud
Rec Med Vet 144(8):711-733 REF
Aug 1968 41.8 R24
Biochemistry, Biophysics, Statistical analysis, Viruses, Volumetric analysis. English abstract

23271-68
COMPARATIVE ASPECTS OF INFECTIOUS ABORTION DISEASES COMMON TO ANIMALS AND MAN.
S M Dennis
Int J Fertility 13(3,JUL-SEP):191-197 REF
1968 442.8 IN83
Abortion, Animal diseases, Brucellosis, Human diseases, Reproduction.

23272-68
PORCINE ENTEROVIRUS ANTISERA PREPARED IN CHICKENS.
J B Derbyshire D M Jessett
J Comp Pathol 78(4):393-399
Oct 1968 41.8 J82
Antibodies, Chickens, Porcine enteroviruses, Serum, Swine, Virus diseases (animals).

23273-68
OCCURRENCE, TYPES AND THERAPY OF CATTLE LIMB DISEASES. (GE
O Dietz G Prietz
Monatsh Vet 23(4):126-135 REF
15 Feb 1968 41.8 M742
Cattle, Extremities, Livestock diseases, Mortality, Research, Therapeutics. English and Russian summary.

23274-68
COMPOSITION OF SPECIFIC POLYSACCHARIDES OF A BRUCELLA ABORTUS VARIANT.
I I Dubrovskaya E A Dranovskaya
Bioklimiya 32(1,PT 1,JAN-FEB):24-30 REF
Feb 1967 385 B523
Antigens, Biochemistry, Brucella abortus, Guinea pigs, Polysaccharides. Russian journal- vol. 32(1):31-37, Jan-Feb, 1967

23275-68
THE ISOLATION OF A BABESIA IN WHITE-TAILED DEER.
H R Emerson W T Wright
Wildlife Dis Ass Bull 4(4):142-143
Oct 1968 41.9 W64B
Babesia, Blood, Deer, Serological tests, Wildlife diseases.

23276-68
HYPOPE PARASITES OF THE CELLULAR TISSUES OF BIRDS. (FR)
A. Fain
Inst Roy Sci Natur Belgique Bull 43(4):1-139 REFS
30 Mar 1967 504 B835B
Animal diseases, Birds, Insect morphology, Insect taxonomy, Mites, Parasitic insects, Zoogeography.

23277-68
AETIOLOGY OF ENZOOTIC STAPHYLOCCAL INFECTION (TICK PYAEMIA) IN LAMBS; FIELD INVESTIGATIONS INTO THE RELATIONSHIP BETWEEN TICK-BORNE FEVER AND TICK PYAEMIA.
W N M Foster A E Cameron
J Comp Pathol 78(2):243-250
Apr 1968 41.8 J82
Infectious diseases, Insect vectors, Ixodides, Lambs, Neutropenia, Pyemia, Rickettsial diseases, Sheep, Staphylococcus.

23278-68
THROMBOCYTOPENIA IN SHEEP ASSOCIATED WITH EXPERIMENTAL TICKBORNE FEVER INFECTION.
W N M Foster A E Cameron
J Comp Pathol 78(2):251-254
Apr 1968 41.8 J82
Hematologic diseases, Platelets, Rickettsial diseases, Sheep.

23279-68
HAEMORRHAGIC ENTERITIS IN SHEEP EXPERIMENTALLY INFECTED WITH TICK-BORNE FEVER.
W N M Foster A Foggie D I Nisbet
J Comp Pathol 78(2):255-258 REF
Apr 1968 41.8 J82
Enteritis, Hemorrhage, Insect vectors, Intestines, Ixodides, Lambs, Sheep.

23280-68
ENCEPHALOMYOCARDITIS (EMC) VIRUS RECOVERED FROM TWO COTTON RATS AND A RACCOON.
J H Gainer W I Bigler
Wildlife Dis Ass Bull 3(2):47-49 REF
Apr 1967 41.9 W64B
Encephalomyocarditis viruses, Rats, Virus diseases (animals), Wildlife diseases.

23281-68
SYNTHESIS OF URIDILIC NUCLEOTIDES AND TMP IN BONE MARROW OF CHICKS INFECTED WITH THE AVIAN MYELOBLASTOSIS VIRUS.
G A Galegov N F Pravdina V A Parnes D K Karapetyan
Biokhimiya 33(2,PT 2,MAR-APR):282-285 REF
Apr 1968 385 B523
Avian myeloblastosis virus, Biochemistry, Bone marrow, Chickens, Nucleotides, Synthesis, Uridine. Russian journal- vol. 33(2):338-342, Mar-Apr, 1968

23282-68
APPLICATION OF THE COLOR TEST IN LABORATORY DIAGNOSTICS OF THE CLASSICAL FOWL PEST. (CZ)
A Gdovinova R Polony J Vrtiak J Zavadova
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(1):19-26 REF
Jan 1967 41.9 C333
Chickens, Color, Diagnosis, Fowl plague, Serological tests. English, German, and Russian Abstracts

23283-68
THE DIAGNOSIS OF AVIAN TUBERCULOSIS IN A TURKEY IN IRAQ.
Z G A Ghani
Vet Rec 83(20):508-509
16 Nov 1968 41.8 V641
Diagnosis, Livestock diseases, Tuberculosis, Turkeys.

23284-68
REACTION OF YOUNG ADULT SHEEP TO VACCINATION AND INFECTION WITH MYXOVIRUS PARAINFLUENZA 3.
N J L Gilmour A Drysdale R G Stevenson D E Hore
J Comp Pathol 78(4):463-468
Oct 1968 41.8 J82
Immunization, Myxoviruses, Parainfluenza-3, Respiratory diseases, Sheep, Virus diseases (animals).

23285-68
DISEASES OBSERVED IN RABBITS DURING 1963-67 IN THE STATE OF SAO PAULO--BRAZIL. (POR)
W Giorgi
Biologico 34(4):71-82 REF
Apr 1968 442.8 B529
Acarina, Coccidiosis, Epizootic diseases, Pasteurellosis, Rabbits, Salmonellosis, Scurvy, Surveys, Toxoplasmosis. English abstract

23286-68
PULMONARY LESIONS IN DOGS AND PIGS EXPOSED TO A CLOUD OF ANTHRAX SPORES.
C A Gleiser W S Jr. Gochenour M K Ward
J Comp Pathol 78(4):445-448 REF
Oct 1968 41.8 J82
Anthrax, Dogs, Livestock diseases, Lymph nodes, Respiratory diseases, Swine.

23287-68
CULTIVATION OF MYCOPLASMAS FROM PIG LUNGS. (CZ)
M Gois
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(6):331-338 REF
Jun 1967 41.9 C333
Culture media, Glycolysis, Mycoplasma, Swine. English, German, and Russian abstracts

23288-68
AN IMPROVED METHOD FOR THE ISOLATION AND IDENTIFICATION OF BLUETONGUE VIRUS BY INTRAVENOUS INOCULATION OF EMBRYONATING CHICKEN EGGS.
L Goldsmit E Barzilai
J Comp Pathol 78(4):477-487 REF
Oct 1968 41.8 J82
Bluetongue virus, Chick embryos, Injections, Virus diseases (animals).

23289-68
ANIMAL CONCENTRATIONS AND INFECTION. (FR)
P Goret B Toma
Rev Med Vet (toulouse) (N s)31(819,AUG-SEP):803-831 REF
1968 41.8 R32
Animal breeding, Animal nutrition, Immunity, Immunization, Infectious diseases, Livestock diseases, Sanitation. English, German, Spanish summary.

23290-68
CLINICAL OBSERVATIONS ON THE ROLE OF URINARY INFECTION IN THE AETIOLOGY OF CANINE UROLITHIASIS.
B E Goulden
Vet Rec 83(20):509-514 REF
16 Nov 1968 41.8 V641
Dogs, Livestock diseases, Urinary calculi, Urine, Urolithiasis.

23291-68
BIOLOGICAL PRODUCTS FOR CONTROLLING ANIMAL DISEASES.
T S Gulrajani
Indian Farming 18(3):35
Jun 1968 22 IN283
Biological control (pests), Biology, Immunity, Livestock diseases.

23292-68
ESCHERICHIA COLI IN LIGATED SEGMENTS OF PIG INTESTINE.
C L Gyles D A Barnum
J Pathol Bacteriol 94(1):189-194 REF
Jul 1967 448.8 J82
Escherichia coli, Intestines, Livestock diseases, Swine.

23293-68
THE AETIOLOGY OF SLOBBERS (CHRONIC FLUOROSIS) IN THE GUINEA-PIG.
G C Hard F F V Atkinson
J Pathol Bacteriol 94(1):103-112 REF
Jul 1967 448.8 J82
Animal diseases, Fluorosis, Guinea pigs, Saliva.

23294-68
SLOBBERS IN LABORATORY GUINEA-PIGS AS A FORM OF CHRONIC FLUOROSIS.
G C Hard F F V Atkinson
J Pathol Bacteriol 94(1):95-102 REF
Jul 1967 448.8 J82

Animal diseases, Epidemiology, Fluorosis, Guinea pigs, Laboratories, Saliva.

23295-68
THE VIRUS OF CANINE DISTEMPER IN CELL CULTURE. I.
M J Harrison F A Smith J J Graydon
J Comp Pathol 78(2):121-131 REF
Apr 1968 41.8 J82
Canine distemper virus, Cells, Culture media, Virus diseases (animals). Ferret and monkey kidney cell cultures used.

23296-68
ULTRACYTOCHEMICAL STUDIES ON ABERRANT STRUCTURES IN AVIAN VIRUS TUMOR CELLS.
U Heine D Beard J W Beard
Cancer Res 28(3):585-588 REF
Mar 1968 448.8 C16
Avian myeloblastosis virus, Biochemistry, Chickens, Cytology, Neoplasms.

23297-68
THE ANAEMIA IN FASCIOLIASIS: STUDIES WITH 51CR-LABELLED RED CELLS.
P H Holmes J D Dargie J M MacLean W Mulligan
J Comp Pathol 78(4):415-420 REF
Oct 1968 41.8 J82
Anemia, Chromium isotopes, Erythroeytes, Fascioliasis, Livestock diseases, Parasitism, Rabbits, Radioactive tracers, Sheep.

23298-68
MYCOTOXICOSIS IN ANIMALS, ITS CAUSES AND REMEDIES.
C K James
Indian Farming 18(1):30-31,33-34
Apr 1968 22 IN283
Animal diseases, Ergotism, Food contamination, Fungi, Grain, Grasses, Myeotoxicosis, Poisonous fungi.

23299-68
EXAMINING THE BLOOD OF DOMESTIC POULTRY (FOWL, TURKEY, GOOSE, DUCK) FOR LISTERIA AGGLUTININS. (GE)
P Janetschke
Arch Exp Veterinarmed 22(1):171-179 REF
Mar 1968 41.8 EX7
Antibodies, Blood, Chickens, Ducks, Feeding, Geese, Listeriosis, Serodiagnosis, Serological tests, Tables (data), Turkeys. English, Russian summary.

23300-68
THE STUDY OF SOME BIOLOGICAL PROPERTIES OF THE CHINESE LAPINIZED VIRUS OF HOG CHOLERA. (CZ)
J Jerabek L Pivnik
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(1):9-18 REF
Jan 1967 41.9 C333
Biological assay, Histology, Hog eholera virus, Immunization, Swine. English, German, and Russian abstraets

23301-68
NON-SPECIFIC ANTIBODIES IN CHICKENS INOCULATED INTRATRACHEALLY WITH MYCOPLASMA GALLISEPTICUM.
F T W Jordan P Kulasegaram
J Comp Pathol 78(4):407-414 REF
Oct 1968 41.8 J82
Antibodies, Chickens, Injeetions, Myeoplasma gallisepticum, Trachea.

23302-68
RNA METABOLISM IN THE BRAINS OF MICE CLINICALLY AFFECTED WITH SCRAPIE.
R H Kimberlin
J Comp Pathol 78(2):237-241 REF
Apr 1968 41.8 J82
Brain, Metabolism, Miee, Ribonucleie acid, Scrapie, Virus diseases (animals).

23303-68
STUDIES OF THE DIFFERENTIATION OF FOOT-AND-MOUTH DISEASE VIRUS TYPES O, A, AND C IN THE CELL CULTURE USING THE DIRECT COONS METHOD. (GE)
R Kokles E Hahnefeld H Hahnefeld
Arch Exp Veterinarmed 22(1):77-83 REF
Mar 1968 41.8 EX7
Diagnosis, Foot-and-mouth disease virus, Methodology, Tables (data), Tissue eulture. English summary.

23304-68
VACCINATION IN THE FEEDLOT.
T T Kramer
Canad Cattlemen 31(9):8-9
Sep 1968 49 C16
Bovine virus diarrhea virus, Cattle, Clostridium, Feedlots, Immunization, Infectious bovine rhinotracheitis virus, Livestock diseases, Shipping fever.

23305-68
ANTIGENS OF SALMONELLA CHOLERAE SUIS. --PREPARATION BY MEANS OF ULTRASOUND, AUTOLYSIS, AND ALTERNATIVE FREEZING AND DEFREEZING. (CZ)
V Krcmery V Rajtar I Ciznar
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(1):27-34 REF
Jan 1967 41.9 C333
Antigens, Autolysis, Biochemistry, Methodology, Salmonella choleraesuis, Sound waves. English, German, and Russian abstracts

23306-68
CLASSIFICATION OF DUCK PLAGUE VIRUS. (DU)
H Kunst
Tijdschr Diergeneesk 93(16):1025-1027 REF
15 Aug 1968 41.8 T431
Ducks, Herpesviruses, Plague, Taxonomy, Virus diseases (animals).

23307-68
THE RAISING OF ANIMALS AND VETERINARY MEDICINE. (FR)
M Leehenault
62P SAINTE-MAURE, FRANCE, IMPRIMERIE LA RENAISSANCE
1967 SF755.L4
Animal diseases, Animal husbandry, Drug therapy, Immunity, Infectious diseases, Veterinary medicine.

23308-68
DIAGNOSIS AND THERAPY OF GASTRITIS IN DOGS. (GE)
R H Lehmann M Schicht
Monatsh Vet 23(4):146-149 REF
15 Feb 1968 41.8 M742
Animal diseases, Diagnosis, Dogs, Drug therapy, Gastrie juiee, Gastritis, Research. English and Russian summary.

23309-68
MICROBIOLOGICAL STUDIES OF TWO NOCARDIA STRAINS. (GE)
K E Lindner
Arch Exp Veterinarmed 22(1):111-120 REF
Mar 1968 41.8 EX7
Antibioties, Antiseptics, Bacteriology, Biochemistry, Cattle, Diagnosis, Laboratory animals, Mastitis, Microbiology, Morphology, Nocardia, Nocardiosis, Temperature, Udders. English, Russian summary.

23310-68
SOME NEOPLASMS OF MICHIGAN COTTONTAIL RABBITS.
T Lopushinsky
Wildlife Dis Ass Bull 3(2):90
Apr 1967 41.9 W64B
Neoplasms, Rabbits, Wildlife diseases. Abstraet of 1967 Annual Wildlife Disease Conference

23311-68
A SEROLOGICAL SURVEY OF DOGS, NATIVE RODENTS AND HUMANS IN NEW MEXICO.
D L Lundgren B D Thorpe
Wildlife Dis Ass Bull 4(4):140-141
Oct 1968 41.9 W64B
Dogs, Human diseases, Rodents, Serological tests, Wildlife diseases.

23312-68
CLAUCOMA IN THE BASSET HOUND.
C L Martin M Wyman
Amer Vet Med Ass J 153(10):1320-1327 REF
15 Nov 1968 41.8 AM3
Animal diseases, Dogs, Eyes, Glaucoma.

23313-68
COMPARISON OF EFFECT OF CONCENTRATIONS OF MALACHITE GREEN AND ACRIFLAVINE ON FUNGI ASSOCIATED WITH DISEASED FISH.
R L Martin
Progr Fish-cult 30(3):153-158
Jul 1968 157.5 P94
Aeriflavine, Diagnosis, Fisheries, Fungus diseases (animals), Malachite green, Researeh.

23314-68
PARTICIPATION OF THE P I--3 VIRUS IN RESPIRATORY INFECTIONS OF CATTLE AT LARGE-CAPACITY BREEDING INSTALLATIONS. (CZ)
J Mensik K Jurmanova J Koei
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(6):293-302 REF
Jun 1967 41.9 C333
Cattle, Parainfluenza-3, Respiratory diseases, Virus diseases (animals). English, German, and Russian abstracts

23315-68
STUDY OF 219 STRAINS OF PATHOGENIC STAPHYLOCOCCI ISOLATED IN ALGERIA. RELATION BETWEEN SEROTYPE AND ANTIBIOTICS. (FR)
B Mered P Gerodias
Inst Pasteur Algerie Arch 45:30-39 REF
1967 448.3 IN7A
Animal diseases, Antibiotics, Drug therapy, Hemolysins, Researeh, Staphylococeus. English summary.

23316-68
THE EFFECT OF INCUBATION TEMPERATURE ON TOXOPLASMA DYE TEST TITRES.
G G Moyle
Australian J Exp Biol Med Sci 45(5):571-574 REF
Oct 1967 442.8 AU7
Dyes, Ineubation, Temperature, Toxoplasma.

23317-68
A STUDY OF THE BACTERIA PRESENT IN THE PROXIMAL AND DISTAL SMALL INTESTINE OF CATTLE. (GE)
K Mueller H Eichel
Arch Exp Veterinarmed 22(1):121-125 REF
Mar 1968 41.8 EX7
Bacteria, Cattle, Intestines. English, Russian summary.

23318-68
INFECTIOUS NUCLEIC ACID FROM A TRANSMISSIBLE AGENT CAUSING GASTROENTERITIS IN PIGS.
J O Norman A W McClurkin H L Baehrach
J Comp Pathol 78(2):227-235 REF
Apr 1968 41.8 J82
Baby pigs, Brain, Deoxyribonucleases, Feces, Germ-free life, Infeetious diseases, Mice, Nucleie acids, Ribonuclease, Swine, Transmissible gastroenteritis virus.

23319-68
THE RESULTS OBTAINED IN A MICROBIOLOGICAL EXAMINATION OF THE MEAT OF PIGS KILLED BECAUSE OF IRRADIATION SICKNESS. (CZ

O Pawel V Kalousova J Vranovska
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(7):361-366 REF
Jul 1967 41.9 C333
Animal diseases, Bacterial diseases (animals), Food contamination, Pork, Radiation, Swine. English, German, and Russian abstracts

23320-68
ANEUPLOIDY IN AN INFERTILE MARE.
H W Payne K Ellsworth A DeGroot
Amer Vet Med Ass J 153(10):1293-1299 REF
15 Nov 1968 41.8 AM3
Chromosomes, Horses, Livestock diseases, Polyploidy, Sterility.

23321-68
MASTITIS AS A HERD PROBLEM.
J K L Pearson C L Wright J S Ogg
Agr North Ireland 43(5):150-152
Sep 1968 256.13 AG82M
Dairy industry, Equipment, Mastitis, Milk analysis, Veterinarians.

23322-68
THE INFLUENCE OF GELATINE ON THE FILTRATION OF FOOT AND MOUTH DISEASE VIRUS THROUGH FILTERS OF SEITZ EK TYPE. (CZ)
G Petr B Barek R Hubik
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(8):393-402 REF
Aug 1967 41.9 C333
Biophysics, Filters, Foot-and-mouth disease virus, Gelatin, Methodology. English, German, and Russian abstracts

23323-68
TOXICITY, TISSUE RESIDUE, AND EFFICACY OF ENHEPTIN GIVEN ORALLY TO RAINBOW TROUT FOR HEXAMITIASIS.
G Post M M Beck
Progr Fish-cult 28(2):83-88
Apr 1966 157.5 P94
Amino-5-triazole, 2-, Pesticide residues, Tissues, Trout, Wildlife diseases.

23324-68
SALMONELLOSIS IN SHEEP.
R A Robinson
New Zeal J Agr 114(2):16-17
Feb 1967 23 N48J
Bacterial diseases (animals), Salmonella typhimurium, Sanitation, Sheep, Water supply.

Salmonellosis in sheep can best be controlled by a clean water supply, proper carcass disposal of diseased animals and avoidance of crowded conditions.

23325-68
BLUETONGUE IN DEER.
R M Robinson E L Stair L P Jones
Wildlife Dis Ass Bull 3(2):91
Apr 1967 41.9 W64B
Bluetongue, Deer, Fluorescent antibody technic, Virus diseases (animals), Wildlife diseases. Abstract of 1967 Annual Wildlife Disease Conference

23326-68
IMMUNOCHEMICAL CHARACTERISTICS OF TWO GEOGRAPHIC VARIETIES OF PASTEURELLA TULARENSIS.
I V Rodionova G K Shipintsina
Biokhimiya 32(6,PT 1,NOV-DEC):958-963 REF
Dec 1967 385 B523
Chemical analysis, Immunochemistry, Pasteurella tularensis, Serological tests. Russian journal- vol. 32(6):1161-1168, Nov-Dec, 1967

23327-68
A NEW INFLUENZA A VIRUS INFECTION IN TURKEYS. III. PATHOLOGY OF THE EXPERIMENTAL DISEASE BY VIRUS STRAIN TURKEY/ONTARIO/6213/66.
B T Rouse G Lang O Narayan
J Comp Pathol 78(4):525-533 REF
Oct 1968 41.8 J82
Influenza, Turkeys, Virus diseases (animals).

23328-68
RECENT STUDIES OF WILDLIFE RABIES IN ILLINOIS.
G C Sanderson B J Verts G L Storm
Wildlife Dis Ass Bull 3(2):92
Apr 1967 41.9 W64B
Rabies, Research, Wildlife diseases. Abstract of 1967 Annual Wildlife Disease Conference

23329-68
TUMOURS OF THE ENDOCRINE GLANDS IN CATTLE, SHEEP AND PIGS FOUND IN A BRITISH ABATTOIR SURVEY.
A T Sandison L J Anderson
J Comp Pathol 78(4):435-444 REF
Oct 1968 41.8 J82
Cattle, Endocrine glands, Livestock diseases, Neoplasms, Sheep, Swine.

23330-68
THROMBOCYTOPENIC PURPURA OF PIGS.
C N Saunders D A Kinch
J Comp Pathol 78(4):513-523
Oct 1968 41.8 J82
Agglutination, Antibodies, Baby pigs, Blood, Colostrum, Livestock diseases, Mortality, Purpura hemorrhagica, Swine.

23331-68
A STUDY OF THE OCCURRENCE OF SECONDARY BACTERIAL INFECTIONS IN STORE PIGS AFFECTED WITH HOG CHOLERA WITH PARTICULAR REFERENCE TO INTESTINAL BACTERIA. (GE)
D Schmidt O-R Kaaden
Arch Exp Veterinarmed 22(1):161-169 REF
Mar 1968 41.8 EX7
Bacteria, Bacterial diseases (animals), Enterobacteriaceae, Escherichia, Hog cholera, Immunity, Intestines, Swine, Tables (data), Virus diseases (animals). English, Russian summary.

23332-68
PINK-EYE CAN BE PAINFUL.
W K Sinclair
S Australia J Agr 70(9):316-317
Apr 1967 23 SO84
Diagnosis, Diptera, Epizootic diseases, Infectious keratitis, Insect vectors, Rickettsia, Sheep, Therapeutics.

The diagnosis, etiology and treatment of pink-eye in sheep are discussed.

23333-68
INVESTIGATION OF THE GROWTH PROPERTIES OF MYCOPLASMAS IN BOUILLON MEDIUM. (CZ)
B Skalka
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(6):321-330 REF
Jun 1967 41.9 C333
Culture media, Growth factors, Mycoplasma, Physiology. English, German, and Russian abstracts

23334-68
IMMUNIZATION AGAINST AUJESZKY'S DISEASE WITH LIVE VACCINE. 4. THE OCCURRENCE OF AUJESZKY'S DISEASE IN PIG HERDS VACCINATED WITH BUK VACCINE. (CZ)
R Skoda
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(6):283-292
Jun 1967 41.9 C333
Immunization, Pseudorabies, Swine, Vaccines. English, German, and Russian abstracts

23335-68
BIOCHEMICAL AND PATHOLOGICAL STUDIES ON MAGNESIUM DEFICIENCY IN THE RAT. I. YOUNG ANIMALS.
B S W Smith D I Nisbet
J Comp Pathol 78(2):149-159 REF
Apr 1968 41.8 J82
Biochemistry, Blood serum, Deficiency diseases, Diet, Magnesium, Rats.

23336-68
EFFECT OF INTAKE OF COPPER, MOLYBDENUM AND SULPHATE ON COPPER METABOLISM IN THE SHEEP. III. STUDIES WITH RADIOACTIVE COPPER IN MALE CASTRATED SHEEP.
B S W Smith A C Field N F Suttle
J Comp Pathol 78(4):449-461 REF
Oct 1968 41.8 J82
Castration, Copper isotopes, Deficiency diseases, Feed supplements, Metabolism, Molybdenum, Radioactive tracers, Sheep, Sulfates.

23337-68
A ONE-STAGE PROCEDURE FOR THE EXTERIORISATION OF THE COMMON BILE-DUCT IN SHEEP FOR LIVER FUNCTION STUDIES.
T A Stanbridge P H Mortimer
J Comp Pathol 78(4):499-503
Oct 1968 41.8 J82
Animal physiology, Bile ducts, Liver, Sheep. In relation to liver disturbances, including feeding on poisonous plants.

23338-68
CALIFORNIA ENCEPHALITIS-GROUP VIRUS INFECTIONS IN SMALL WILD MAMMALS AND INSECTS IN A DECIDUOUS FOREST AREA OF SOUTHWESTERN WISCONSIN.
W H Thompson D J Engeseth J O Jackson G R DeFoliart
Wildlife Dis Ass Bull 3(2):92
Apr 1967 41.9 W64B
Encephalitis, Insects, Mammals, Virus diseases (animals), Wildlife diseases. Abstract of 1967 Annual Wildlife Disease Conference

23339-68
THE ESTIMATION OF COMPLEMENT-FIXING ANTIBODIES IN BOVINE DICTYOCAULOSIS BY MEANS OF AN ANTIGEN PREPARED FROM ASCARIS SUUM. (CZ)
J Tomanek Z Prochazka
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(1):35-42
Jan 1967 41.9 C333
Antibodies, Ascaris lumbricoides suum, Cattle, Complement fixation, Immunization, Verminous bronchitis. English, German, and Russian abstracts

23340-68
COCCIDIOSIS OF POULTRY.
J W Topham
S Australia J Agr 70(5)174-175
Dec 1966 23 SO84
Coccidiosis, Diagnosis, Drug therapy, Poultry.

The symptoms and chemotherapy of coccidosis in Australian poultry is discussed.

23341-68
DICHLOROPHENE FOR CONTROL OF TUNICATES IN CULTURES OF ARTIFICIALLY REARED BIVALVE MOLLUSKS.
H S Tubiash A E Farrin
Progr Fish-cult 29(4):235-237
Oct 1967 157.5 P94
Aquatic animals, Chemical control (pests), Dichlorophene, Fish culture, Fungicides, Mollusks, Rearing.

23342-68
METABOLIC DISTURBANCES IN NICOTIANA GLAUCA, A SYMPTOMLESS CARRIER OF POTATO WITCHES' BROOM.
M Ulrychova J Limberk
Biol Plant 9(1):56-60
Jan 1967 450 B52
Plant metabolism, Potatoes, Tobacco, Virus diseases (plants).

23343-68
ON THE ACTUAL PROBLEMS OF MYCOTOXICOSES OF FARM ANIMALS IN CZECHOSLOVAKIA AND OF THEIR PROPHYLAXIS. (CZ)
J Ursiny L Groch

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(6):311-320 REF
Jun 1967 41.9 C333
Livestock diseases, Mycotoxicosis, Surveys. English and Russian abstracts

23344-68
IMMUNOFLUORESCENCE DEMONSTRATION OF THE BOVINE STRAIN OF MYXOVIRUS PARAINFLUENZAE-3 IN A CALF KIDNEY TISSUE CULTURE. (CZ
L Valicek B Smid
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(8):403-408 REF
Aug 1967 41.9 C333
Antigens, Cattle, Diagnosis, Fluorcseent antibody technic, Parainfluenza-3, Tissue culture. English, German, and Russian abstracts

23345-68
DIFFERENT SENSITIVITY OF VARIOUS CELL CULTURE SYSTEMS TO RIBONUCLEIC ACID FROM A FOOT AND MOUTH DISEASE VIRUS NOT INFECTIOUS FOR CELL CULTURES. (GE)
S Wagner H Hantschel
Arch Exp Veterinarmed 22(1):227-232 REF
Mar 1968 41.8 EX7
Biochemistry, Cells, Foot-and-mouth disease virus, Infectious diseases, Ribonucleic acid, Tables (data), Tissue culture, Virus diseases (animals). English, Russian summary.

23346-68
THE FIRST DEVELOPMENTAL STAGES OF E. ACERVULIAN (COCCIDIA) IN EXPERIMENTALLY INFECTED CHICKS. (GE)
W H Wagner O Foerster
Z Parasitenk 28(3):232-239
28 Mar 1967 442.8 Z33F
Chickens, Eimeria acervulina, Histology.

23347-68
PRELIMINARY STUDIES OF LISTERIA MONOCYTOGENES IN DEER FROM THE E. S. GEORGE RESERVE.
T F Wetzler A B Cowan L A Renkowski N R Freeman O J Carver
Wildlife Dis Ass Bull 3(2):93
Apr 1967 41.9 W64B
Bacteria, Deer, Listeria monocytogenes, Research, Wildlife diseases. Abstract of 1967 Annual Wildlife Disease Conference

23348-68
THE IN VITRO EFFECT OF KETONE BODIES ON THE GROWTH CURVES OF MASTITIS ORGANISMS IN MILK.
F White E A S Rattray
J Comp Pathol 78(2):179-188 REF
Apr 1968 41.8 J82
Acetoacetic acid, Cattle, Ketone bodies, Leukocytes, Mastitis, Milk, Physiology, Staphylococcus.

23349-68
ISOLATION AND PROPAGATION OF THE VIRUS OF TRANSMISSIBLE GASTROENTERITIS OF PIGS IN VARIOUS PIG CELL CULTURES.
K H Witte B C Easterday
Arch Gesamte Virusforsch 20(3):327-350 REF
1967 448.3 AR23
Cytopathology, Gastroentcritis, Swine, Tissue culture, Virology.
Abstract

23350-68
A STUDY OF THE PROPERTIES OF THE CHINESE LAPINIZED HOG CHOLERA VIRUS. II. IMMUNOGENITY OF THE VIRUS. (CZ)
A Zuffa J Cernek E Wagner E Demeter
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(1):1-8
Jan 1967 41.9 C333
Hog cholera virus, Immunization, Swinc, Vaccines. English, German, and Russian abstract

23351-68
PROOF OF THE VIRUS OF HOG CHOLERA IN A TISSUE CULTURE BY MEANS OF IMMUNOFLUORESCENCE. (CZ)
A Zuffa J Matis O Zak J Fragner
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(6):303-310 REF
Jun 1967 41.9 C333
Fluorcscent antibody technic, Hog cholera virus, Immunochemistry, Swine, Tissue culture, Virus diseases (animals). English, German, and Russian abstracts

ARTHROPODS

23352-68
CONTROLLING EXTERNAL PARASITES OF POULTRY--RECOMMENDED PESTICIDES.
S Australia J Agr 70(10):366-367
May 1967 23 SO84
Catalogs, Chemical control (insects), Insect control, Malathion, Mallophaga, Poultry, Siphonaptera.

A list of insects and mites parasitic on poultry and recommended insecticide dosages for their control is given.

23353-68
ACCURACY AND FORETHOUGHT ARE ESSENTIAL IN PLUNGE DIPPING.
A R Diack
New Zeal J Agr 115(6):28-32
Dec 1967 23 N48J
Arsenic compounds, Bacteriostats, Chemical control (insects), Methodology, Rotenone, Sheep-dip.

Techniques of sheep dipping for control of external parasites are discussed along with a list of chemicals and equipment to be used.

23354-68
ULTRA-LOW-VOLUME APPLICATION OF INSECTICIDES TO CATTLE FOR CONTROL OF THE HORN FLY.
J L Eschle A Miller
J Econ Entomol 61(6):1617-1621 REF
16 Dec 1968 421 J822
Cattle, Chemical control (insects), Costs, Haematobia irritans, Insecticides, Spraying, Spraying equipment.

23355-68
A PROGRESS REPORT ON INSECTICIDE RESISTANCE IN THE FLY COMPLEX...OF CALIFORNIA POULTRY RANCHES.
G P Georghiou M K Hawley E C Loomis
Calif Agr 21(4):8-11
Apr 1967 100 C12CAG
Diptera, Insect pests, Insecticide resistant insects, Poultry, Reports.

23356-68
WEIGHT GAINS AND WOOL GROWTH IN SHEEP INFESTED WITH THE SHEEP KED MELOPHAGUS OVINUS.
W A Nelson S B Slen
Exp Parasitol 22(2):223-226
Apr 1968 436.8 EX7
Animal physiology, Lambs, Melophagus ovinus, Sheep, Wool.
Abstract

23357-68
EVALUATION OF SHELL SD 8447, SD 8448, AND SD 8436 AS CANDIDATE SYSTEMIC INSECTICIDES FOR CONTROL OF COMMON AND NORTHERN CATTLE GRUBS.
W M Rogoff A R Roth G H Gretz W S Bigley R Orchard
J Econ Entomol 61(2):487-490
Apr 1968 421 J822
Cattle, Chemical control (insects), Chloro-1-(2,4-dibromophenyl)vinyl dimethyl phosphate, 2-, Chloro-1-(2,4,5-trichlorophenyl)vinyl diethyl phosphate, 2-, Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate, 2-, Hypoderma bovis, Hypoderma lineatum, Insecticides, Systemic insecticides.
Abstracts

PARASITES

23358-68
STUDIES ON THE SUITABILITY OF THE ALBINO RAT FOR TESTING ANTHELMINTIC ACTIVITY AGAINST FASCIOLA HEPATICA.
J C Boray F A Happich J C Andrews
Ann Trop Med Parasitol 61(1):104-111
Mar 1967 448.9 L75A
Animal diseases, Anthelmintics, Drug therapy, Fasciola hepatica, Nematodes, Rats.

23359-68
PATHOLOGIC CONFIRMATION OF MALARIA (PLASMODIUM ELONGATUM) IN AFRICAN PENGUINS (SPHENISCUS DEMERSUS).
R W Fleischman R A Squire W J L Sladen J Moore
Wildlife Dis Ass Bull 4(4):133-135
Oct 1968 41.9 W64B
Malaria, Parasitism, Penguins, Wildlife diseases.

23360-68
IMMUNIZATION OF LABORATORY ANIMALS WITH THE SOIL NEMATODE RHABDITIS AXEI (COBBOLD 1884) AGAINST SUBSEQUENT INVASION BY ASCARIS SUUM (GOEZE 1782). (GE)
W Frick
Arch Exp Veterinarmed 22(1):219-226 REF
Mar 1968 41.8 EX7
Asearis lumbricoides suum, Immunization, Laboratory animals, Mice, Nematodes, Rhabditis axei, Tables (data). English, Russian summary.

23361-68
ELECTROPHORETIC ANALYSIS OF A FASCIOLA HEPATICA- TOTAL EXTRACT. (GE)
E Geyer
Z Parasitenk 28(4):352-369 REF
18 Apr 1967 442.8 Z33F
Electrophoresis, Fasciola hepatica, Glycoproteins, Lipoproteins, Proteins, Serodiagnosis.

23362-68
SARCONEMA EURYCERCA, INFECTION IN WHISTLING SWANS, CYGNUS COLUMBIANUS, IN CHESAPEAKE BAY.
B L Holden W J L Sladen
Wildlife Dis Ass Bull 4(4):126-128 REF
Oct 1968 41.9 W64B
Nematodes, Parasitism, Wildlife diseases.

23363-68
THE INTERPRETATION OF FAECAL EGG-COUNTS. IV. THE INFLUENCE OF FAECAL CONSISTENCY AND DRY MATTER CONTENT ON FASCIOLA HEPATICA EGG-COUNTS IN CATTLE.
M R Honer
Z Parasitenk 28(3):211-218 REF
28 Mar 1967 442.8 Z33F
Cattle, Diagnosis, Eggs, Faseiola hepatica, Feces.

23364-68
THE INTERPRETATION OF FAECAL EGG-COUNTS. V. A FURTHER NOTE ON SINGLE AND MULTIPLE SAMPLING IN THE DETECTION OF PARASITIC INFECTIONS.
M R Honer
Z Parasitenk 28(3):219-222
28 Mar 1967 442.8 Z33F
Diagnosis, Eggs, Fasciola hepatica, Feces, Statistical analysis.

23365-68
PHILOMETRA LUSIANA (NEMATODA, DRACUNCULIDAE)--PARASITE OF THE CARP. (RUS)

V M Ivasik R V Skovronsky B G Syirepo N J Vorona
Zool Zhur 46(11):1713-1714
Nov 1967 410 R92
Dracunculidae, Fish, Nematodes, Parasitism.

Abstract

23366-68
NEW HOST RECORDS FOR ALLASSOSTOMA (TREMATODA: DIGENEA) AND NEOECHINORHYNCHUS (ACANTHOCEPHALA) FROM PSEUDEMYS CONCINNA.
C A III. Johnson
Wildlife Dis Ass Bull 4(4):129
Oct 1968 41.9 W64B
Acanthocephala, Parasitism, Trematoda, Turtles, Wildlife diseases.

23367-68
NEW HOST RECORDS OF INTESTINAL NEMATODES OF MARYLAND RODENTS AND SUPPRESSION OF CAPILLARIA BONNEVILLEI GRUNDMANN AND FRANDSEN, 1960 AS A SYNONYM OF C. AMERICANA READ 1949.
J R Lichtenfels A J Haley
Helminthol Soc Wash Proc 35(2):206-211 REF
Jul 1968 436.9 H36
Capillaria, Capillaria americana, Intestines, Nematodes, Parasitism, Rodents.

23368-68
DRENCHING OF SHEEP AND CATTLE IMPORTANT FOR PARASITE CONTROL.
C M T Meldal-Johnsen
New Zeal J Agr 115(4):107,109,111
Oct 1967 23 N48J
Cattle, Chemical control (nematodes), Dipping, Life cycle, Nematodes, Sheep.

The author discusses the control of worm infestation through good husbandry and judicious dipping of sheep and cattle. A description of the life cycle of the parasite Haemonchus contortus is given.

23369-68
HELMINTHS OF SOME WILD MAMMALS IN THE SOUTHEASTERN UNITED STATES.
G C Miller R Harkema
Helminthol Soc Wash Proc 35(2):118-125 REF
Jul 1968 436.9 H36
Mammals, Nematodes, Parasitism, Taxonomy, Zoogeography.

23370-68
IMMUNOGLOBULIN BINDING BY THE MIRACIDIA OF FASCIOLA HEPATICA.
M Movsesijan
J Comp Pathol 78(4):421-425
Oct 1968 41.8 J82
Fasciola hepatica, Fluorescent antibody technic, Globulins, Immunity, Iodine isotopes, Parasitism, Radioactive tracers, Sheep.

23371-68
INCIDENCE AND PATHOLOGY OF SPIROCERCA LUPI IN KENYA.
M Murray
J Comp Pathol 78(4):401-405 REF
Oct 1968 41.8 J82
Aorta, Cats, Dogs, Esophagus, Nematodes, Parasitism, Sarcoma, Spirocerca lupi, Wildlife.

23372-68
ECTOPARASITIC INFECTIONS ON FISH OF VOLTA LAKE, GHANA.
I Paperna
Wildlife Dis Ass Bull 4(4):135-137
Oct 1968 41.9 W64B
Fish, Parasitism, Wildlife diseases.

23373-68
ON THE TREMATODES: EUPARYPHIUM INERME (FUHRMAN, 1904) (ECHINOSTOMATIDAE) AND HAPLORCHIS TAICHUI (NISHIGORI, 1924) WITENBERG, 1930); (HETEROPHYIDAE) IN INDIAN DOGS.
V K Sahasrabudhe H L Shah
Indian J Helminthol 19(1):56-63 REF
Mar 1967 436.8 IN2
Dogs, Echinochasmus, Euparyphium, Haplorchis, Opisthorchis, Surveys, Taxonomy, Trematoda.

23374-68
MODIFICATIONS OF THE AMERICAN MUSKRAT'S (ONDATRA ZIBETHICA L.) PARASITIC FAUNA DUE TO ACCLIMATIZATION.
O Scy
Acta Zool (budapest) 13(3-4):409-416 REF
1967 410 AC85
Acanthocephala, Animal adaptation, Animal physiology, Cestoda, Insect vectors, Muskrats, Nematodes, Trematoda, Wildlife.

Abstract

23375-68
PARASITES OF RABBITS FROM NORTH CAROLINA.
R Stringer
Wildlife Dis Ass Bull 3(2):93
Apr 1967 41.9 W64B
Parasitism, Rabbits, Wildlife diseases. Abstract of 1967 Annual Wildlife Disease Conference

23376-68
THE METHOD OF INVASION OF THE METACYCLIC LARVAE OF LITOMOSOIDES CHRNII CHANDLER 1931 (FILARIIDAE). (GE)
P Wenk
Z Parasitenk 28(3):240-263 REF
28 Mar 1967 442.8 Z33F
Animal diseases, Histology, Insect vectors, Nematodes, Rodents. English abstract

COMMODITY PROTECTION

STORAGE DISEASES

23377-68
EMPLOYMENT OF MALEIC HYDRAZIDE IN THE STORAGE OF ONION BULBS. (POR)
H G Blanco L Leiderman
Biologico 34(4):90-93
Apr 1968 442.8 B529
Maleic hydrazide, Onions, Plant growth inhibitors, Stored products. English abstract

ARTHROPODS

23378-68
PORT OFFICERS KEEP CONSTANT WATCH AGAINST CARPENTER ANTS.
T P Hammond
New Zeal J Agr 115(5):26-27
Nov 1967 23 N48J
Camponotus pennsylvanicus, Insect ecology, Inspection (agricultural products), Pest control.

23379-68
BACTERIA FROM GRANARY WEEVILS COLLECTED FROM LABORATORY COLONIES AND FIELD INFESTATIONS.
P K Harein E De Las Casas
J Econ Entomol 61(6):1719-1720
16 Dec 1968 421 J822
Bacteria, Culture media, Food contamination, Insect cultures, Insect vectors, Sitophilus granarius, Stored products, Wheat.

MICROBIAL CONTAMINATION

23380-68
MURINE TOXICITY OF COCHLIOBOLUS CARBONUM.
P B Hamilton R R Nelson B S H Harris
Appl Microbiol 16(11):1719-1722
Nov 1968 448.3 AP5
Cochliobolus carbonum, Injections, Metabolites, Mice, Research, Toxicology.

23381-68
EFFECT OF STREPTOMYCIN ON SOME ENZYME SYSTEMS OF BACILLUS SUBTILIS.
A Mandal S K Majumdar
Appl Microbiol 16(11):1786-1789 REF
Nov 1968 448.3 AP5
Antibiotics, Bacillus subtilis, Bacteria, Dehydrogenases, Enzymes, Research, Streptomycin.

23382-68
SPORICIDAL EFFECT OF PERACETIC ACID VAPOR.
D M Portner R K Hoffman
Appl Microbiol 16(11):1782-1785
Nov 1968 448.3 AP5
Bacillus subtilis, Cells, Equipment, Humidity, Peroxyacetic acid, Research, Spores, Vapors.

23383-68
TISSUE CULTURE METHOD FOR TOXIGENICITY TESTING OF CORYNEBACTERIUM DIPHTHERIAE.
J H Schubert S T Bickham G L Wiggins
Appl Microbiol 16(11):1748-1752
Nov 1968 448.3 AP5
Blood serum, Cells, Corynebacterium diphtheriae, Laboratories, Rabbits, Research, Temperature, Tissue culture, Toxicology.

23384-68
PHAGE TYPING SCHEME FOR SALMONELLA BRAENDERUP.
I Sechter C B Gerichter
Appl Microbiol 16(11):1708-1712 REF
Nov 1968 448.3 AP5
Bacteriophages, Culture media, Research, Salmonella braenderup, Serological tests.

23385-68
EFFECT OF INOCULUM SIZE ON IN VITRO SUSCEPTIBILITY TESTING WITH LINCOMYCIN.
S Shadomy J L Bruce M M Kannan
Appl Microbiol 16(11):1663-1668
Nov 1968 448.3 AP5
Bactericides, Culture media, Lincomycin, Research, Staphylococcus aureus, Tables (data).

ENVIRONMENTAL CONTAMINATION

23386-68
PREDICTING AND MEASURING THE SOLUBILITY OF P,P'-DDT IN WATER.
J W Bigger G R Dutt R L Riggs
Bull Environ Contam Toxicol 2(2,MAR-APR):90-100 REF
1967 RA1270.P35A1
DDT, Food contamination, Insecticides, Measurement, Solubility, Water.

23387-68
AN UNUSUAL OUTBREAK OF LEAD POISONING IN CALVES.
J F Harbourne C T McCrea J Watkinson
Vet Rec 83(20):515-517
16 Nov 1968 41.8 V641
Cattle, Food contamination, Lead, Poisoning, Toxicology.

23388-68
STUDIES ON BIOLOGICAL TREATMENT OF LIVESTOCK EXCRETA WITH SPECIAL REFERENCE TO REMOVAL OF AMMONIAC NITROGEN FROM MEDIA BY ZOOGLEA-FORMING BACTERIA. (JA)
O Uemura
Jap Vet Med Ass J 20(6):261-263 REF
1967 41.9 J275

Ammoniacum, Bacteria, Excreta, Livestock, Nitrogen, Sewage, Sewage treatment. English summary

Abstract

RESIDUES

23389-68
SECRETION OF DDT IN MILK BY FRESH COWS.
W H Brown J M Witt F M Whiting J W Stull
Pesticide Progr 5(5):159
Sep 1967 79.8 P434
Ddt, Insecticide residues, Milk.

Abstract

23390-68
CHANGES IN GUPPY POPULATIONS RESULTING FROM EXPOSURE TO DIELDRIN.
J Jr. Cairns J L Loos
Progr Fish-cult 28(4):220-226 REF
Oct 1966 157.5 P94
Biochemistry, Dieldrin, Fish, Pesticide residues, Population.

23391-68
DIELDRIN RESIDUES IN THE GALLINULES PORPHYRULA MARTINICA L. AND GALLINULA CHLOROPUS L. AND ITS EFFECT ON CLUTCH SIZE AND HATCHABILITY.
M K Causey F L Bonner J B Graves
Bull Environ Contam Toxicol 3(5,SEP-OCT):274-283 REF
1968 RA1270.P35A1
Biochemistry, Birds, Dieldrin, Game birds, Pesticide residues, Physiology, Reproduction.

23392-68
EFFECTS OF APHOLATE, AN INSECT STERILANT, ON AN ESTUARINE FISH, SHRIMP, AND GASTROPOD.
R Eisler
Progr Fish-cult 28(3):154-158
Jul 1966 157.5 P94
Apholate, Chemosterilants, Fish, Gastropoda, Insect control, Pesticide residues, Saline water, Shrimps.

23393-68
EFFECTS OF DIQUAT ON BLUEGILLS AND THEIR FOOD ORGANISMS.
P A Gilderhus
Progr Fish-cult 29(2):67-74 REF
Apr 1967 157.5 P94
Biochemistry, Bluegill, Diquat, Food, Pesticide residues, Physiology.

23394-68
TRIAL MONITORING OF PESTICIDES IN WINGS OF MALLARDS AND BLACK DUCKS.
R G Heath R M Prouty
Bull Environ Contam Toxicol 2(2,MAR-APR):101-110
1967 RA1270.P35A1
Ducks, Pesticide residues, Pesticides.

23395-68
RESIDUES OF GARDONA IN THE BODY TISSUES OF CATTLE SPRAYED TO CONTROL HYPODERMA SPP.
M C Ivey R A Hoffman H V Claborn
J Econ Entomol 61(6):1647-1648
16 Dec 1968 421 J822
Adipose tissue (animals), Cattle, Chemical control (pests), Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate, 2-, Hypoderma, Insecticide residues, Organophosphorus compounds.

23396-68
INSECTICIDE USE IN LIVESTOCK PRODUCTION. (ABSTRACTED FROM RESIDUE REVIEWS 13:1-32. 1966).
E F Knipling W E Westlake
Pesticide Progr 5(5):163-164
Sep 1967 79.8 P434
Chlorinated hydrocarbons, Feed, Insecticide residues, Livestock.

Abstract

23397-68
INSECTICIDE RESIDUES IN PRONGHORN ANTELOPE OF SOUTH DAKOTA.
G L Moore Y A Greichus E J Hugghins
Bull Environ Contam Toxicol 3(5,SEP-OCT):269-273
1968 RA1270.P35A1
Antelopes, Insecticides, Pesticide residues, Toxicology.

23398-68
THE DEGRADATION OF 2,4-D IN FOREST LITTER.
L A Norris D Greiner
Bull Environ Contam Toxicol 2(2,MAR-APR):65-74
1967 RA1270.P35A1
Biochemistry, D, 2,4-, Decomposition, Forest litter, Herbicides, Pesticide residues, Trees.

23399-68
LABORATORY STUDIES ON THE ACUTE CONTACT AND ORAL TOXICITIES OF INSECTICIDES TO HONEYBEES.
J H Stevenson
Ann Appl Biol 61(3):467-472 REF
Jun 1968 442.8 AN72
Apis mellifera, Insecticides, Laboratories, Research, Toxicology.

23400-68
MERCURY RESIDUES IN APPLES IN RELATION TO SPRAY DATE, VARIETY AND CHEMICAL COMPOSITION OF FUNGICIDE.
D K R Stewart R G Ross
Can J Plant Sci 47(2):169-174 REF
Mar 1967 450 C16
Apples, Food contamination, Fungicides, Mercury compounds, Pesticide residues, Phenylmercuric acetate.

23401-68
NACA INDUSTRY TASK FORCE ON PHENOXY HERBICIDE TOLERANCES. NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(11):599
17 Jan 1968 L1.451
Herbicide residues, Phenoxyacetic acid, Silvex, Tolerances, 2-(2,4,5-trichlorophenoxy) propionic acid.

TOXICOLOGY

23402-68
CARBAMATE INSECTICIDES. WHERE ARE THEY HEADED.
Farm Chem 130(11):45,48,49,5 ,54,56,58 REF
Nov 1967 57.8 AM3
Carbamates, Furaden, Molluscacides, Nematocides, Temik, Toxicity.

23403-68
EFFECTS OF FEEDING CATTLE FORAGE TREATED WITH MOBAM.
M C Bowman R S Lowrey D B Leuck M Beroza
J Econ Entomol 61(6):1495-1499 REF
16 Dec 1968 421 J822
Animal physiology, Benzo(b)thien-4-yl methylcarbamate, Biochemistry, Cattle, Forage plants, Insecticide residues, Milk.

23404-68
TRACE METAL ALTERATIONS FOLLOWING SUB-ACUTE EXPOSURE TO ENDRIN.
R L Coleman C H Lawrence W L Sowell
Bull Environ Contam Toxicol 3(5,SEP-OCT):284-295
1968 RA1270.P35A1
Biochemistry, Endrin, Insecticides, Metals, Micronutrients, Rats, Toxicology.

23405-68
MUSHROOM POISONING. (FR)
J P Menu J Faure
135P REF PARIS, FRANCE, MASSON eT CIE.
1967 RC143.M4
Classification, Muscarine, Mushrooms, Poisonous fungi, Resins, Toxicology.

23406-68
EVALUATION OF ORGANIC PESTICIDES FOR POSSIBLE USE AS FISH TOXICANTS.
M S Mulla J Saint Amant L D Anderson
Progr Fish-cult 29(1):36-42
Jan 1967 157.5 P94
Fish poisons, Organic compounds, Pesticides, Toxicology.

23407-68
HISTOLOGICAL STUDIES OF OVARIES IN RATS TREATED WITH HYDROXYUREA TRIPHENYLTIN ACETATE, AND TRIPHENYLTIN CHLORIDE.
D W Newton R L Hays
J Econ Entomol 61(6):1668-1669
16 Dec 1968 421 J822
Animal histology, Chemosterilants, Hydroxyurea, Ovaries, Rats, Triphenyltin acetate, Triphenyltin chloride.

23408-68
TOXIC EFFECT OF SOME MOLLUSCACIDE MIXTURES. (POR)
E Paulini T Camey C P de Souza
Rev Brasil Malar Doencas Trop 18(2):253-259
Apr 1966 448.8 R3283
Assay, Dichloro-4'-nitrosalicylanilide, 2-aminoethanol salt, 2',5-, Eggs, Molluscacides, Paraquat, Pesticide mixtures, Potentiometry, Snails, Tributyltin acetate. English and Portuguese summaries

Abstract

23409-68
TOXICITY OF PSYCHOTROPIC DRUGS IN DROSOPHILA MELANOGASTER.
G R Pscheidt G F Duick W R Duckles B W Geer
Experientia 24(9):925
15 Sep 1968 475 EX7
Development, Drosophila melanogaster, Drugs, Insect behavior, Sex, Toxicology.

23410-68
TOXICOLOGICAL-CHEMICAL METHOD OF DETECTING WARFARIN IN MATERIAL OF ANIMAL ORIGIN AND IN ANIMAL FEEDS. (GE)
R Schlegelmilch G Hornawsky
Arch Exp Veterinarmed 22(1):215-217
Mar 1968 41.8 EX7
Animals, Chemistry, Chromatography, Feed toxicity, Methodology, Toxicology, Ultraviolet rays, Warfarin. English, Russian summary

23411-68
DDVP AS A SELECTIVE TOXICANT FOR THE CONTROL OF FISHES AND INSECTS.
U S Srivastava S K Konar
Progr Fish-cult 28(4):235-238
Oct 1966 157.5 P94
Chemical control (pests), Dichlorvos, Fish, Insects, Toxicology.

PLANT PHYSIOLOGY & BIOCHEMISTRY

23412-68
METABOLISM OF UC-21149 (2-METHYL-2-(METHYLTHIO)PROPIONALDEHYDE O-(METHYLCARBAMOYL)OXIME) IN COTTON PLANTS AND SOIL IN THE FIELD.
D L Bull
J Econ Entomol 61(6):1598-1602
12 Dec 1968 421 J822

Cotton, Insecticide residues, Methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxi p, Plant translocation, Radioactive tracers, Research, Soil contamination, Sulfur isotopes, Water pollution.

23413-68
CHLOROPHYLL AND TOTAL NITROGEN IN BARLEY RUST INFECTION.
F D Calonge
Brit Mycol Soc Trans 50(PT 3):397-401 REF
Sep 1967 451 B76
Barley, Chlorophylls, Fungus diseases (plants), Nitrogen, Plant biochemistry, Puccinia hordei, Rust (grain).

23414-68
EFFECT OF TEMPERATURE ON THE GROWTH OF WHEAT. I. MARQUILLO KENYA FARMER, AND TWO DWARF PROGENY.
D T Canvin Y Yao
Can J Bot 45(6):757-772
Jun 1967 470 C16C
Plant physiology, Temperature, Wheat.

23415-68
SOME PROPERTIES OF HYPHAE ISOLATED FROM BEAN LEAVES INFECTED WITH THE BEAN RUST FUNGUS.
H M Dekhuijzen H Singh R C Staples
Boyce Thompson Inst Contrib 23(11,JUL-SEP):367-372 REF
Sep 1967 451 B69
Autoradiography, Beans, Fungus diseases (plants), Plant physiology, Rust (beans), Uromyces phaseoli.

23416-68
THE INHIBITION OF BRUSSELS SPROUT LEAF SENESCENCE BY KININS.
D T Dennis M Stubbs T P Coultate
Can J Bot 45(7):1019-1024 REF
Jul 1967 470 C16C
Brussels sprouts, Hormones, Kinins, Plant physiology.

23417-68
THE MICROBIOLOGICAL CONDITION OF WOOD OF LIVING BALSAM FIR AND BLACK SPRUCE IN QUEBEC.
D E Etheridge L A Morin
Can J Bot 45(7):1003-1010
Jul 1967 470 C16C
Abies balsamea, Microbiology, Picea mariana, Wood.

23418-68
A SURVEY OF THE WILD SPECIES OF DROSOPHILIDAE WITHIN MULTIPLE ROLE OF FUNGAL CENTRIOLES. (ABSTRACT) MONONGALIA COUNTY, WEST VIRGINIA.
W T Grimes J R Aist J C Martin C L Wilson
W Va Acad Sci Proc 39:272-278 REF
Aug 1967 500 W52
Cell division, Cell nucleus, Ceratocystis fagacearum, Drosophila, Fomes annosus, Fungi, Fungus diseases (plants), Humidity, Insect ecology, Insect taxonomy, Precipitation, Temperature.

Abstract: The species collected were: D. affinis, D. busckii, D. hydei, D. immigrans, D. melanogaster, D. putrida, D. transversa, D. robusta, D. tripunctata, and D. guttifera. Other genera collected in the largest numbers, followed by D. robusta and D. affinis.

23419-68
CHEMICAL GROWTH CONTROL OF CHINESE ELM TREES.
W D Hamilton W B Davis
Calif Agr 21(2):4-5
Feb 1967 100 C12CAG
Biochemistry, Chemicals, Plant physiology, Plant regulators, Ulmus.

23420-68
ULTRASTRUCTURAL CHANGES DURING ZOOSPORE FORMATION IN PHYTOPHTHORA PARASITICA.
H R Hohl S T Hamamoto
Amer J Bot 54(9):1131-1139 REF
Oct 1967 450 AM36
Microscopy, Phytophthora parasitica, Plant physiology, Spores.

23421-68
SOME CHEMICAL ASPECTS OF CURING.
R W James
Aust Tob Growers Bull (11):9-10
1967 69.8 AU72
Chemicals, Curing, Plant biochemistry, Tobacco.

23422-68
SPECIES INTERACTIONS OF GROWTH INHIBITORS IN NATIVE PLANTS OF NORTHERN ARIZONA.
D A Jameson
U S Forest Serv Res Notes RM 113:1-2
1968 A99.9 F7632US
Extracts, Laboratories, Plant growth inhibitors, Seedlings.

23423-68
ACTION OF GRAMICIDIN S ON PHOTOPHOSPHORYLATION IN VIRUSINFECTED TOBACCO PLANTS.
M E Ladygina M I Tukeeva B A Rubin
Biokhimiya 32(6,PT 2,NOV-DEC):1028-1031 REF
Dec 1967 385 B523
Gramicidin S, Histochemistry, Peptides, Phosphorylation, Tobacco, Virus diseases (plants). Russian journal- vol. 32(6):1248-1252, Nov-Dec, 1967

23424-68
STUDIES ON PLANT GROWTH-REGULATING SUBSTANCES. XXVII. THE GROWTH-REGULATING ACTIVITY AND METABOLISM OF 2,4-DICHLOROPHENOXYETHYLAMINE AND RELATED COMPOUNDS IN HIGHER PLANTS.
R J Nash T A Smith R L Wain
Ann Appl Biol 61(3):481-494 REF
Jun 1968 442.8 AN72
Biochemistry, D, 2,4-, Metabolism, Plant physiology, Plant regulators, Research.

23425-68
GENETIC ASPECTS OF PARASITISM.
C Person
Can J Bot 45(8):1193-1204 REF
Aug 1967 470 C16C
Biochemistry, Botany, Genes, Genetics, Parasitism.

23426-68
THE EFFECT OF SOME GROWTH REGULATORS ON STARCH DEPLETION IN APPLE SHOOTS.
J Pieniazek M Saniewski
Polska Akad Nauk Bull Ser Sci Biol 16(1):39-46 REF
1968 512 W262
Apples, Benzylamino)purine, 6-(, Biochemistry, Gibberellic acid, Naphthaleneacetic acid, Plant hormones, Plant physiology, Plant regulators, Starches.

23427-68
BETA-GLUCOSIDASE CONTENT OF PEAR BLOSSOM TISSUES AND ITS RELATION TO ANTIBIOTIC ACTIVITY OF THE TISSUES AGAINST ERWINIA AMYLOVORA. (ABSTRACT).
C C Powell D C Hildebrand
Phytopathology 57(8):826
Aug 1967 464.8 P56
Antibiosis, Erwinia amylovora, Fungus diseases (plants), Glucosidases, Pears, Plant biochemistry.

23428-68
SYSTEMIC ACTIVITY OF 2-METHYL-2-(METHYLTHIO)PROPIONALDEHYDE O-(METHYL-CARBAMOYL)OXIME (UC-21149) IN THE COTTON PLANT WITH SPECIAL REFERENCE TO THE BOLL WEEVIL.
R L Ridgway S L Jones J R Coppedge D A Lindquist
J Econ Entomol 61(6):1705-1712 REF
16 Dec 1968 421 J822
Anthonomus grandis, Biological assay, Chemical control (insects), Cotton, Disulfoton, Insecticide application, Methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxi p, Plant translocation, Radioactive tracers, Sulfur isotopes.

23429-68
METABOLISM OF AROMATIC COMPOUNDS IN HEALTHY AND RUST-INFECTED PRIMARY LEAVES OF WHEAT. I. STUDIES WITH 14CO2, QUINATE-U-14C, AND SHIKIMATE-U-14C AS PRECURSORS.
R Rohringer A Fuchs J Luderstaedt D J Samborski
Can J Bot 45(6):863-889 REF
Jun 1967 470 C16C
Biochemistry, Carbon dioxide, Isotopes, Metabolism, Plant physiology, Rust (wheat), Wheat.

23430-68
EFFECTS OF HERBICIDES ON CARBON DIOXIDE UPTAKE BY PINE SEEDLINGS.
S Sasaki T T Kozlowski
Can J Bot 45(7):961-971 REF
Jul 1967 470 C16C
Absorption, Biochemistry, Carbon dioxide, Herbicides, Pinus, Plant physiology, Seedlings.

23431-68
NITROGEN NUTRITION OF SOME NEMATODE-TRAPPING FUNGI.
V Satchuthananthavale R C Cooke
Brit Mycol Soc Trans 50(PT 3):423-428
Sep 1967 451 B76
Biochemistry, Moniliales, Nematodes, Nitrogen, Plant nematodes, Plant nutrition.

23432-68
ANASTOMOSIS IN RELATION TO MORPHOLOGY AND PHYSIOLOGY OF RHIZOCTONIA SOLANI. (ABSTRACT).
R T Sherwood
Phytopathology 57(8):830
Aug 1967 464.8 P56
Anastomosis, Fungus diseases (plants), Plant morphology, Plant physiology, Rhizoctonia solani.

23433-68
THE SEQUENCE OF RELEASE OF AMINO ACIDS FROM GERMINATING CROWN RUST SPORES. (ABSTRACT).
J P Snow J P Jones
Phytopathology 57(8):832
Aug 1967 464.8 P56
Amino acids, Crown rust, Fungus diseases (plants), Plant abnormalities, Plant physiology, Puccinia coronata, Spore germination.

23434-68
GERMINATION OF SPORES OF PHYMATOTRICHUM OMNIVORUM. (ABSTRACT).
R H Taft H E Bloss G A Gries
Phytopathology 57(8):833
Aug 1967 464.8 P56
Fungus diseases (plants), Phymatotrichum omnivorum, Spore germination.

23435-68
THE CHLOROSIS TOXIN FROM ALTERNARIA TENUIS IS A CYCLICTETRAPEPTIDE. (ABSTRACT).
G E Templeton W L Meyer C I Grable C W Sigel
Phytopathology 57(8):833
Aug 1967 464.8 P56
Alternaria tenuis, Chlorosis, Cyclic compounds, Peptides, Tentoxin, Toxins. This toxin is cycloleucyl-N-methylalanyl-glycyl-Nmethyldehydrophenylalanyl and is given the trivial name tentoxin.

23436-68
SOME EFFECTS OF CARBARYL ON TWO APPLE CULTIVARS.
J E Teskey S D Kung
Can J Plant Sci 47(3):311-318 REF
May 1967 450 C16
Apples, Carbaryl, Food storage, Plant physiology, Thinning (fruit).

CHEMISTRY

23437-68
PREPARATION OF INACTIVATED VACCINE AGAINST NEWCASTLE DISEASE. I. INACTIVATION OF NEWCASTLE DISEASE VIRUS BY BETA-PROPIOLACTON AND FORMALIN. (CZ)
K Cernik J Zuffova
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(5):255-262 REF
May 1967 41.9 C333
Biochemistry, Formaldehyde, Hydracrylic acid beta-lactone, Newcastle disease virus, Vaccines. English and Russian abstracts

23438-68
SYNTHESIS OF A SPECIFIC MESSENGER RNA DURING AMINO ACID STARVATION OF ESCHERICHIA COLI.
G Edlin G S Stent R F Baker C Yanofsky
J Molec Biol 37(2):257-268 REF
28 Oct 1968 442.8 J8224
Amino acids, Bacteria, Biochemistry, Escherichia coli, Proteins, Ribonucleic acid.

23439-68
REGULATION OF MESSENGER RNA SYNTHESIS IN ESCHERICHIA COLI.
J Forchhammer N O Kjeldcaard
J Molec Biol 37(2):245-255 REF
28 Oct 1968 442.8 J8224
Bacteria, Biochemistry, Culture media, Escherichia coli, Physiology, Proteins, Ribonucleic acid.

23440-68
PERSISTENCE OF DIAZINON AND ZINOPHOS IN SOIL: EFFECTS OF AUTOCLAVING, TEMPERATURE, MOISTURE, AND ACIDITY.
L W Getzin
J Econ Entomol 61(6):1560-1565 REF
12 Dec 1968 421 J822
Autoclaves, Diazinon, Dichlorophenyl O-methyl isopropylphosphoramidothioate, O-2 h, Hydrogen-ion concentration, Insecticide residues, Research, Soil contamination, Temperature.

23441-68
LEVEL OF TRYPTOPHAN MESSENGER RNA IN ESCHERICHIA COLI. STUBBS, J D.
B D Hall
J Molec Biol 37(2):289-302 REF
28 Oct 1968 442.8 J8224
Amino acids, Bacteria, Biochemistry, Escherichia coli, Ribonucleic acid, Tryptophan.

23442-68
THIN LAYER CHROMATOGRAPHIC SEPARATION OF LINURON AND DIURON AND SOME OF THEIR KNOWN OR SUSPECTED SOIL METABOLITES.
S E Katz M T Nieh
Bull Environ Contam Toxicol 2(2,MAR-APR):75-82
1967 RA1270.P35A1
Chemistry, Chromatography, Diuron, Herbicides, Linuron, Metabolites, Soils.

23443-68
2,3-DIHYDRO-5-CARBOXAMIDO-6-METHYL-1,4-OXATHIINS AND METHOD OF MAKING SAME, PATENT 3, 393,202.
M Kulka D S Thiara W A Harrison
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